# PERMIT TO CONSTRUCT APPLICATION

# TECHNICAL SUPPORT DOCUMENT

# WEDRON SILICA COMPANY 2010 FINISHED PRODUCT LOADOUT PROJECT

Prepared for:

FAIRMOUNT MINERALS, LTD. WEDRON SILICA COMPANY

3450 East 2056<sup>th</sup> Road Wedron, Illinois 60557

Prepared by:

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#### 1.0 INTRODUCTION

Fairmount Minerals, Ltd. (FML) owns and operates the Wedron Silica Company (Wedron) located at 3450 East 2056<sup>th</sup> Road, Wedron, LaSalle County, Illinois. The Wedron facility has been in operation for over 100 years producing high purity, round grain silica sand. Wedron consists of a sand mining site and a sand processing plant. The facility is regulated by the Illinois Environmental Protection Agency (IEPA) with regard to environmental quality issues and is subject to existing air quality permits for its operations.

The Wedron facility is proposing several changes to the sand processing plant under this application. The proposed process changes at Wedron have been evaluated and determined to trigger the need to obtain a Permit to Construct (PTC) from the IEPA pursuant to Section 201.142 of the Illinois Administrative Code (Title 35). The evaluation provided herein addresses the requirements to obtain a PTC from the IEPA Bureau of Air (IEPA-BOA). This Technical Support Document serves as supplemental information to Form 199-CAAPP for a "Construction Permit Application for a Proposed Project at a CAAPP Source." Appendix A presents Form 199-CAAPP in addition to other forms required by the IEPA-BOA. Figure 1 illustrates the proposed project location in relation to the Wedron Site.

#### 2.0 BACKGROUND

#### 2.1 Existing Permits and Operations

The Wedron facility is currently subject to Operating Permit No. 73031358 issued by IEPA most recently on July 16, 2007. The facility is subject to the Clean Air Act Permit Program (CAAPP) as potential emissions from the Wedron and Technisand Wedron facilities are above the Title V major source threshold(s). The Technisand Wedron facility is also owned and operated by FML and considered contiguous to the Wedron facility for purposes of the Title V program. The CAAPP application for the Wedron Complex was received by IEPA on August 24, 2009 and determined to be administratively complete on September 2, 2009.

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Wedron is also currently subject to PTC No. 06080002 for Rotary Sand Dryer #2 and related equipment, and PTC No. 09070046 which addresses the sand cooling process. PTC No. 09070046 was recently issued on October 21, 2009. The CAAPP permit, once issued, will replace the existing Wedron Operating Permit and Construction Permits.

#### 2.2 Proposed Changes

The Wedron facility is proposing certain changes in order to increase the efficiency of the processing plant and to improve the control of regulated air contaminants. The proposed changes to operations at Wedron are as follows:

• The finished product loadout process will be modified to allow the facility to achieve its current design capacity. Currently, the facility cannot achieve the design capacity of 300 tons per hour (TPH) due to certain equipment constraints. The proposed changes will include the installation and modification of sand processing equipment to relieve these constraints. The proposed equipment is expected to have the capacity to process 350 TPH on a short term basis, but will not be capable of producing more than the plant's current capacity of 2,628,000 tons per year (which is based on 300 TPH).

The proposed changes will result in additional emissions of particulate matter (PM/PM<sub>10</sub>). Accordingly, the facility is also proposing to replace the existing baghouse dust collector with a new, larger baghouse dust collector to control PM/PM<sub>10</sub> emissions from the existing controlled equipment as well as the proposed new equipment within the finished product loadout process. A summary of the equipment changes and the proposed increase in PM/PM<sub>10</sub> emissions is provided in Table 1 and discussed further in Section 3.1.1. A process flow diagram of the proposed finished product loadout changes is provided in Figure 2.

 An increase to the hourly throughput capacity for the current sand cooling process is being proposed to reflect the maximum production rate the facility can achieve in this process. The purpose of addressing the throughput capacity change at this time is to

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clarify throughput information submitted in PTC Application No. 09070046. PTC No. 09070046 was issued by IEPA in 2009 for the sand cooling process.

In Wedron's application for PTC No. 09070046, the facility stated that the sand cooling process would have the capacity to process a maximum of 300 tons per hour (TPH). The facility has discovered through experience with the operation that the sand cooling process can actually achieve a maximum throughput of 400 TPH. The facility would like to retain flexibility to produce above 300 TPH on a short term basis. However, the throughput limits provided by PTC No. 09070046 of 330,000 tons/month and 2,628,000 tons/year can be retained as these maximum throughput limits represent the capacity for the entire facility. Since an hourly throughput limit is not included in PTC No. 09070046 and the PM/PM<sub>10</sub> emission limits are based on monthly and annual time periods, the permit conditions will not need to be amended.

• The dust collection system for the current sand cooling process will be re-designed for improved control. Specifically, two (2) dust collection pick-up points from existing belt conveyors (BC3-022 and BC3-023) will be re-routed from an existing wet scrubber (WS3-070) to another existing wet scrubber (WS3-010). Wedron believes the change will demonstrate improved control efficiencies for these particular pick-up points. While the facility considers these particular dust collection changes as exempt from the requirement to obtain a construction permit pursuant to Section 201.146(hhh), we are providing notification in order to update the process description included in the opening paragraph of PTC No. 09070046. A process flow diagram of the proposed dust collection system improvements is provided in Figure 3.

As mentioned, a PTC was issued for the sand cooling process on October 21, 2009 (Application No. 09070046). Wedron is proposing to modify PTC No. 09070046 at this time based upon the proposed changes within this application. A modification to the existing permit is appropriate as several of the proposed changes affect equipment already addressed by this permit. However, Wedron is proposing that PTC No. 09070046 also address new equipment and changes

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considered part of the final product loadout project that will need to be added to the existing

permit.

3.0 REGULATORY ANALYSIS

In order to assess air permit and regulatory applicability, state and federal air quality programs

have been evaluated respective to the proposed installations. This section provides an

applicability determination for each program.

3.1 Federal Regulatory Review

3.1.1 Federal New Source Review

The Wedron facility is located within an area that has attained the National Ambient Air Quality

Standards (NAAQS) for all criteria pollutants. The facility is not presently considered a major

stationary source under federal New Source Review-Prevention of Significant Deterioration

(PSD) regulations because potential emissions of criteria pollutants do not exceed 250 tons per

year. Accordingly, if a modification occurs at the facility, the modification itself must be

considered major (i.e., result in an emissions increase greater than 250 TPY) in order to trigger a

review under PSD.

The only criteria pollutant expected to be emitted from the proposed project is particulate matter

(PM/PM<sub>10</sub>) from the processing of raw silica sand. Potential emissions of PM/PM<sub>10</sub> from sand

processing were estimated based on emission factors provided in the United States

Environmental Protection Agency (USEPA) Factor Information Retrieval System (FIRE)

application website.

The PM/PM<sub>10</sub> emission changes from the proposed project are primarily attributed to the final

product loadout changes. The proposed loadout changes include the replacement of an existing

bucket elevator, as well as the installation of three (3) new belt conveyors, two (2) storage bins,

and two (2) new loadout spouts. Each of these proposed units will be controlled by a proposed

new baghouse properly sized to control existing and proposed emission units.

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The PM/PM<sub>10</sub> potential to emit (PTE) has been estimated for each sand processing unit based upon the maximum production rate and an appropriate USEPA published emission factor from the FIRE application website. An example of the calculation methodology applied to all proposed units is provided below for  $PM_{10}$  emissions from a proposed belt conveyor:

#### PM<sub>10</sub> PTE (Belt Conveyor)

Potential Emissions = (1 belt conveyor) \* (2,628,000 tons/yr) \* (0.0064 lbs PM<sub>10</sub>/ton) \* (1 - 99% C.E.) / (2,000 lbs/ton) = **0.08 TPY PM**<sub>10</sub>

Table 1 provides a summary of the PM and PM<sub>10</sub> PTE for the proposed installations, modifications, and decommissioned equipment considered part of the proposed project. The total potential PM and PM<sub>10</sub> increase from the proposed project is approximately **2.0 TPY for PM** and **0.7 TPY for PM<sub>10</sub>** based on the use of best available emission factors. The maximum potential emissions increase for the proposed project will not exceed the PSD major modification thresholds (i.e., 250 TPY of any criteria pollutant). Therefore, the installation does not meet the definition of a major modification to an existing minor source and is not subject to review under federal NSR.

#### 3.1.2 New Source Performance Standards

Certain equipment currently present at the Wedron facility is subject to New Source Performance Standards (NSPS). In particular, the Wedron facility is subject to 40 CFR Part 60, Subpart UUU standards of performance for calciners and dryers in mineral industries. Two (2) dryers currently present at the facility are subject to Subpart UUU as construction commenced after the effective date of the rule; April 23, 1986. The scope of the proposed project will not affect the dryer or applicability of NSPS Subpart UUU.

Additionally, 40 CFR Part 60, Subpart OOO standards of performance for Nonmetallic Mineral Processing Plants with capacities greater than 25 tons per hour for fixed sand and gravel plants constructed, reconstructed or modified after August 31, 1983, are <u>not</u> applicable to the existing

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Wedron facility. As the Wedron facility does not "crush or grind" sand to reduce the particle size of the sand, the Wedron operations are not considered an "affected facility" subject to the NSPS Subpart OOO standard. Furthermore, the proposed project will not add equipment that would be affected by NSPS Subpart OOO.

#### 3.1.3 Hazardous Air Pollutants 112(g) Applicability

The Wedron complex is considered a major source of hazardous air pollutants (HAPs) due to emissions of organic HAPs from the Technisand Wedron resin-coating operation. However, the proposed project is not expected to generate HAP emissions. Therefore, there are no applicable Maximum Achievable Control Technology (MACT) requirements under Rule 112(g) as there are no new or reconstructed sources of HAPs being proposed as part of this project.

#### 3.1.4 Hazardous Air Pollutants 112(d) Applicability

There are no Categorical MACT standards under Section 112(d) which apply to the Wedron facility.

#### 3.2 State Regulatory Review

#### 3.2.1 State New Source Review

The State of Illinois environmental regulations for air pollution were evaluated to determine if the proposed project at Wedron is exempt from the requirement to obtain a PTC pursuant to Title 35: Subtitle B, Chapter I, Section 201.142 which states the following:

"No person shall cause or allow the construction of any new emission source or any new air pollution control equipment, or cause or allow the modification of any existing emission source or air pollution control equipment, without first obtaining a construction permit from the Agency."

The state air pollution control regulations contain a list of emission sources and associated air pollution control equipment which are considered exempt from the requirement to obtain a PTC. A complete list of current exemptions from the requirement to obtain an air permit can be found under Title 35: Subtitle B, Chapter I, Section 201.146. If an emission source does not fit within

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one of the permit exemptions, an air pollution control construction permit must be obtained from the Bureau of Air prior to construction of the emission source.

Upon review of the exemptions from state permit requirements, it has been determined that a specific exemption does not exist for industrial sand processing operations. The only other potentially applicable exemption is provided at Section 201.146(kkk) which exempts a CAAPP source from the requirement to obtain a PTC for the construction or modification of an emission unit or activity that is an "insignificant activity" as addressed by Section 201.210 or 201.211. Upon review of these sections, Section 201.211(1) states that a CAAPP source may propose to the Agency in its CAAPP application that an emission unit at the source be treated as an insignificant activity provided the emission units meets the following criteria:

"The emission unit would not emit more than 1.0 lb/hr of any regulated air pollutant not listed as hazardous pursuant to Section 112(b) of the Clean Air Act in the absence of air pollution control equipment."

The following calculations were performed to determine if any of the proposed changes would result in uncontrolled emissions less than 1.0 lb/hr of PM. The PTE for an uncontrolled belt conveyor is based upon an emission factor of 0.029 lb PM/ton material for SCC 3-05-025-03 for Construction Sand and Gravel Transfer and Conveying without air pollution control. Although emission factors for *industrial* sand processing are typically more appropriate, an "uncontrolled" emission factor for industrial sand transfer or conveying is not available. Therefore, this particular emission factor for *construction* sand processing is considered the most accurate of the emission factors available for uncontrolled *industrial* sand transfer equipment. Potential uncontrolled PM emissions are calculated as follows:

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PM PTE Uncontrolled (Belt Conveyors) – Hourly Basis

Potential Emissions = (1 conveyor) \* (350 tons/hr) \* (0.029 lb PM/ton)

= 10.2 lbs/hr PM

As demonstrated by the calculation above, the proposed conveyors on an uncontrolled basis could not individually satisfy the insignificant activity provision of Section 201.211(1). Accordingly, the additional changes being proposed did not require further investigation.

Based upon a comprehensive review of the state air pollution control regulations and air permit exemptions, it has been determined that a PTC is required for certain changes under the proposed project pursuant to Title 35: Subtitle B, Chapter I, Section 201.142. Submittal of a PTC application which addresses the State of Illinois' minor NSR program requirements will satisfy the Section 201.142 requirement.

The facility will also be required to obtain an operating permit for the proposed equipment. As previously indicated, IEPA is currently reviewing a CAAPP operating permit application submitted by the Wedron complex. The CAAPP permit, once issued, will replace the existing Wedron Operating Permit and Construction Permits. Wedron will be prepared to submit an operating permit application or addendum to the CAAPP application as required by the IEPA-BOA.

#### 3.2.2 State of Illinois Rules and Regulations – Subpart K: Fugitive Particulate Matter

The air pollution control rules contain standards and limitations for particulate matter emissions in Part 212 Subpart K of the Illinois Administrative Code (Title 35). The standards applicable to the proposed project have been addressed below.

3.2.2.1 Section 212.301 (Rule 301) - Fugitive Particulate Matter

Rule 301 states that:

"No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an

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observer looking generally toward the zenith at a point beyond the property line of the source."

Wedron is currently subject to this requirement and any new sand processing equipment will also be subject to this requirement.

3.2.2.2 Section 212.307 (Rule 307) – Materials Collected by Pollution Control Equipment

Rule 307 states that:

"All unloading and transporting operations of materials collected by pollution control equipment shall be enclosed or shall utilize spraying, pelletizing, screw conveying or other equivalent methods."

As previously indicated, the proposed emission units will be controlled by a baghouse dust collector. Consequently, Wedron will continue to be required to unload and transfer all materials collected by the control devices in accordance with a method or equivalent method to those provided in Rule 307.

3.2.2.3 Section 212.308 (Rule 308) - Spraying or Choke-Feeding Required

Rule 308 states that:

"Crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points, conveyors, bagging operations, storage bins and fine product truck and railcar loading operations shall be sprayed with water or a surfactant solution, utilize chokefeeding or be treated by an equivalent method in accordance with an operating program."

The proposed project will include the installation or modification of conveyors, storage bins, and loading operations. The equipment will be incorporated into the facility's existing Fugitive Dust Plan. Accordingly, Wedron will continue to meet the requirement of Rule 308.

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3.2.2.4 Section 212.309 (Rule 309) – Operating Program

Rule 309 states that:

"a) The emission units described in Sections 212.304 through 212.308 and Section

212.316 of this Subpart shall be operated under the provisions of an operating program,

consistent with the requirements set forth in Sections 212.310 and 212.312 of this

Subpart, and prepared by the owner or operator and submitted to the Agency for its

review. Such operating program shall be designed to significantly reduce fugitive

particulate matter emissions."

Wedron plans to update its Fugitive Dust Plan (i.e., "operating program") to

accommodate the equipment modifications contained in this application. The Fugitive

Dust Plan will be updated in accordance with the minimum requirements listed in Rule

310 as well. An amended Plan will be submitted to the Agency for review pursuant to

Rule 312.

3.2.3 State of Illinois Rules and Regulations – Subpart L: Particulate Matter Emissions From

**Process Emission Units** 

Section 212.321 (Rule 321) requires that process emission units for which construction or

modification commenced on or after April 14, 1972 shall not cause or allow the emission of PM

into the atmosphere in any one hour period to exceed the allowable emission rate.

The lowest, maximum process weight rate for the proposed equipment being installed or

modified is 350 TPH. Utilizing the process weight rate equation ( $E = A*P^B$ ) provided in Rule

321, the allowable emission rate for the proposed emission units can be calculated as follows:

 $E = A*P^B$ 

P = Process weight rate;

E = Allowable emission rate;

A = 2.54

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$$B = 0.534$$

$$E = 2.54 * (400 \text{ TPH})^{0.534} = 58.0 \text{ lb PM/hr}$$

Based upon the process weight rate, the allowable emission rate for individual emission units proposed herein is 58.0 lb PM/hr. In order to demonstrate compliance with this requirement, the potential PM emissions for each unit have been calculated on an hourly basis. The emission units with the greatest hourly PM emissions level are the conveyors. As calculated in Section 3.2.1, the potential, uncontrolled hourly emission rate for each conveyor is 10.2 lbs/hr PM.

As the potential hourly PM emission rate for each proposed emission unit is less than the allowable emission rate calculated utilizing the process weight rate equation, it can be assumed that all of the proposed emission units will satisfy Rule 321.

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#### 4.0 CONCLUSION

Based upon the information contained herein, Fairmount Minerals, Ltd. believes the proposed changes result in the need to obtain a Construction Permit from the Illinois Environmental Protection Agency (IEPA) and meet all applicable air pollution control requirements. However, the proposed project does not meet the definition of a major modification to an existing minor source and is not subject to review under federal New Source Review. The proposed project is also not subject to any New Source Performance Standards or Maximum Achievable Control Technology requirements.

Updated forms for the CAAPP application will be submitted by the facility in the future to address the requirements outlined in the proposed construction permit.

## **Tables**

PROPOSED NET CHANGE IN EMISSIONS - Potential-to-Emit (TPY)

#### TABLE 1

#### Wedron Silica Company Summary of Potential Criteria Pollutant Emissions

#### FINISHED PRODUCT LOADOUT PROJECT

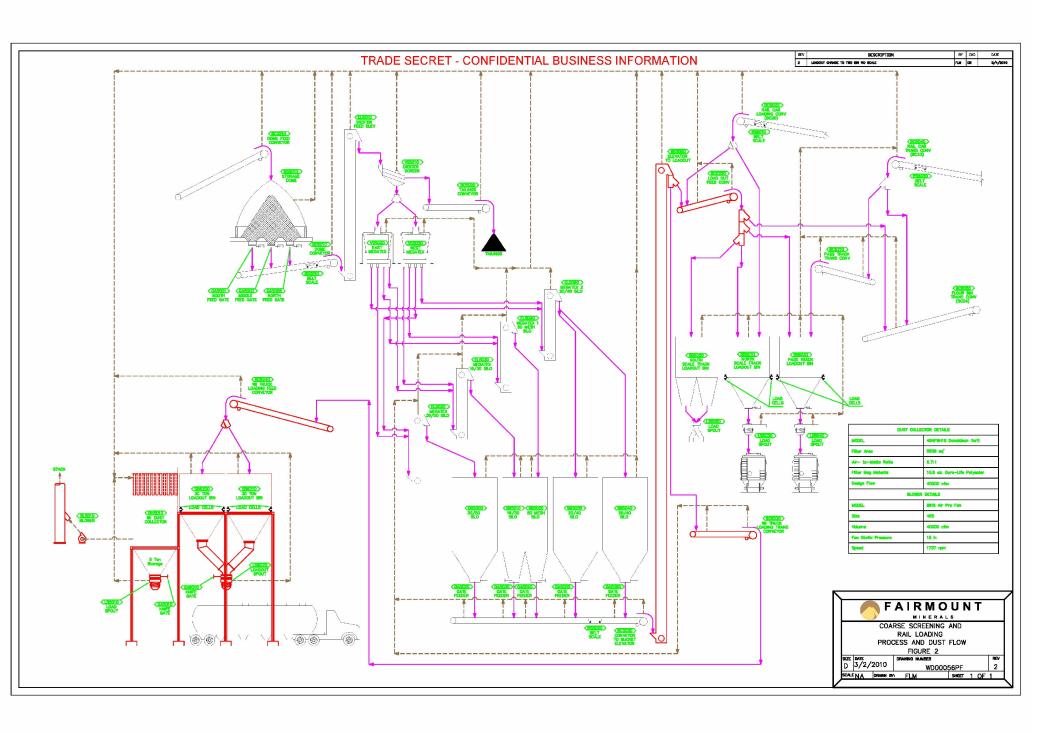
		Source					PN	PM		PM-10			
Operator's Identification	Proposed Emission Unit or Emission Point Information	Classification	Source Capacity	Units for Capacity/ Rating	Annual Hours of Operation	USEPA F	IRE Database	Removal	Potential-to-Emit	USEPA FIRE Database		Removal	Potential-to-Emit
		Code (SCC)				EF	EF Units	Efficiency	(TPY)	EF	EF Units	Efficiency	(TPY)
		-	With the Company of t										
PROPOSED EQUIPME	NT INSTALLATIONS									A TO THE REAL		San San San	
BH5-010	Equipment Controlled by Proposed Wedron II	Baghouse Dust C	ollector										
BE5-060	Bucket Elevator from Wedron II to Loadout Areas	3-05-025-03	2,628,000	tons product/year	8.760	0.029	lb/ton	99.0%	0.38	0.0064	lb/ton	99.0%	0.08
BC6-220	Loadout Feed Conveyor from BE5-060 to Loadout Areas	3-05-025-03	2,628,000	tons product/year	8.760	0.029	lb/ton	99.0%	0.38	0.0064	lb/ton	99.0%	0.08
BC6-230	Belt Conveyor from BE5-060 to BC6-240 (truck loadout)	3-05-025-03	2,628,000	tons product/year		0.029	lb/ton	99.0%	0.38	0.0064	lb/ton	99.0%	0.08
BC6-240	Belt Conveyor from BC6-230 to Truck Loadout Spout LS6-070	3-05-025-03	2,628,000	tons product/year	8.760	0.029	lb/ton	99.0%	0.38	0.0064	lb/ton	99.0%	0.08
SB6-200	Storage Bin (30 ton storage capacity) for Truck Loadout Spout LS6-070	3-05-027-60	2,628,000	tons product/year		0.013	lb/ton1	99.0%	0.17	0.013	lb/ton1	99.0%	0.17
SB6-210	Storage Bin (30 ton storage capacity) for Truck Loadout Spout LS6-070	3-05-027-60	2,628,000	tons product/year		0.013	lb/ton1	99.0%	0.17	0.013	lb/ton1	99.0%	0.17
LS6-070	Truck Loadout Spout from Wedron II Loadout Storage Bin SB6-200	3-05-025-06	2,628,000	tons product/year	0.000.000.000	0.02	lb/ton	99.0%	0.26	0.0024	lb/ton	99.0%	0.03
LS5-010	Truck Loadout Spout from Baghouse Dust Collector BH5-010	3-05-025-06	2,628,000	tons product/year		0.02	lb/ton	99.0%	0.26	0.0024	lb/ton	99.0%	0.03
	NT INSTALLATIONS - Potential-to-Emit (TPY)								2.39				0.74

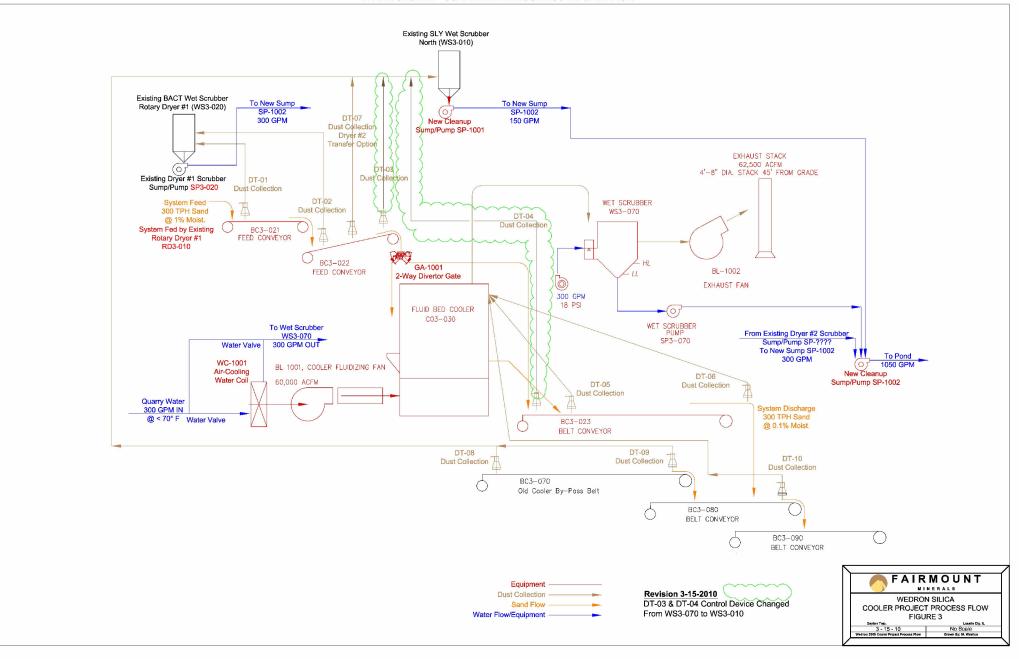
Published emission factor based on use of wet scrubber control. Therefore, an uncontrolled emission factor has been calculated based upon an assumed 90% control efficiency.

WS3-010	Equipment Currently Controlled by WS3-070 sv	witched to Existing	SLY Wet Scrubi	ber (WS3-010)									
3C3-022	Belt Conveyor from BC3-021 to FB3-010 or BC3- 023		The proposed modification is a change in wet scrubber controls for one pickup point on this conveyor; therefore, throughput and emissions are not expected to change.										
BC3-023	Belt Conveyor from FB3-010 or BC3-022		The proposed modification is a change in wet scrubber controls for one pickup point on this conveyor; therefore, throughput and emissions are not expected to change.										
PROPOSED EQ	JIPMENT MODIFICATIONS - Potential-to-Emit (TPY)								0.0				0.0
PROPOSED EQ	JIPMENT DECOMMISSIONED				The second second	The same of the sa		The second			DATE OF STREET		
PROPOSED EQ BE5-060	Bucket Elevator - To Be Replaced (see "installations" section above for replacement)	3-05-025-03	2,628,000	tons product/year	8,760	0.029	lb/ton	99.0%	-0.38	0.0064	lb/ton	99.0%	-0.08
BE5-060	Bucket Elevator - To Be Replaced (see		2,628,000	tons product/year	8,760	0.029	lb/ton	99.0%	-0.38 -0.38	0.0064	lb/ton	99.0%	-0.08 -0.08
BE5-060	Bucket Elevator - To Be Replaced (see "installations" section above for replacement)		2,628,000	tons product/year	8,760	0.029	lb/ton	99.0%		0.0064	lb/ton	99.0%	
BE5-060 PROPOSED EQ	Bucket Elevator - To Be Replaced (see "installations" section above for replacement)		2,628,000	tons product/year	8,760	0.029	lb/ton	99.0%		0.0064	lb/ton	99.0%	
BE5-060 PROPOSED EQ PROPOSED NE	Bucket Elevator - To Be Replaced (see "installations" section above for replacement)  JIPMENT DECOMMISSIONED - Potential-to-Emit (TPY)		2,628,000	tons product/year	8,760	0.029	lb/lon	99.0%		0.0064	lb/ton	99.0%	

# **Figures**

# TRADE SECRET - CONFIDENTIAL BUSINESS INFORMATION TOWN OF WEDRON Lands Owned By Wedron Silica Various Land Owners Lands Owned By Wedron Silica WET SURGE BUILDING Lands Owned By Wedron Silica LOCATION OF MODIFICATIONS Lands Owned By Wedron Silica Lands Owned By Wedron Silica 0 /50 100' 200' FAIR MOUNT WEDRON SILICA TRUCK LOAD OUT LOCATION MAP FIGURE 1 N









#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506

SPRINGFIELD, ILLINOIS 62794-9506

### FEE DETERMINATION FOR **CONSTRUCTION PERMIT APPLICATION**

ID NUMBER:	R AGENCY USE ONLY	
PERMIT#:		· · · · · · · · · · · · · · · · · · ·
COMPLETE   INCOMPLETE	DATE COMPLETE:	,
CHECK#:	ACCOUNT NAME:	

THIS FORM IS TO BE USED BY ALL SOURCES TO SUPP				
CONSTRUCTION PERMIT APPLICATIONS. THIS APPLIC COMPLETE. MAKE CHECK OR MONEY ORDER PAYABL SEND TO THE ADDRESS ABOVE. DO NOT SEND CASH	C <b>ATION MUST INCLUD</b> LE TO THE ILLINOIS ER	E PAYMENT VVIRONMEN	T <b>IN FULL TO</b> ITAL PROTEC	BE DEEMED CTION AGENCY.
SOURCE	INFORMATION		Commission of the	
1) SOURCE NAME: Wedron Silica Company		v		
2) PROJECT NAME: 2010 Loadout 3) SOURCE ID NO. (IF APPLICABLE): 099804AAB				
4) CONTACT NAME: Mr. Fred Mueller	5) CONTACT PHONE NU	MBER: (81:	5) 431-8688	3
FEE DE	TERMINATION			
6) FILL IN THE FOLLOWING THREE BOXES AS DETERM	INED IN SECTIONS 1	THROUGH 4	BELOW:	
\$ 0	10,000	= \$		10,000
SECTION 1 SUBTOTAL SECTION 2	2, 3 OR 4 SUBTOTAL	: 1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	GRAND TO	TAL
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SKIP SECTIONS 2, 3 AND 4, PROCEED DIRECTLY				
	ECIAL CASE FILIN		MNO CHECK	TUE
8) FILING FEE. IF THE APPLICATION ONLY ADDRESSE APPROPRIATE BOXES, ENTER \$500 IN THE SECOND AND 4 AND PROCEED DIRECTLY TO SECTION 5. OT ADDITION OR REPLACEMENT OF CONTROL DE PILOT PROJECTS/TRIAB BURNS BY A PERMITT APPLICATIONS ONLY INVOLVING INSIGNIFICATE LAND REMEDIATION PROJECTS    REVISIONS RELATED TO METHODOLOGY OR THE MINOR ADMINISTRATIVE-TYPE CHANGE TO A	D BOX UNDER FEE DE FHERWISE, PROCEED EVICES ON PERMITTEI ED UNIT NT ACTIVITIES UNDER TIMING FOR EMISSION	TERMINATION SECTION OF UNITS  35 IAC 201.	ON ABOVÉ, SI N 3 OR 4, AS	KIP SECTIONS 3 APPROPRIATE.

FORM IN PROVIDING THIS INFORMATION. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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Page 1 of 2

SECTION 3: FEES FOR CURRENT OR PROJECTED NON-MAJOR SOURCES				
<ol> <li>IF THIS APPLICATION CONSISTS OF A SINGLE NEW EMISSION UNIT <u>OR</u> NO MORE THAN TWO MODIFIED EMISSION UNITS, ENTER \$500.</li> </ol>	9)			
<ol> <li>IF THIS APPLICATION CONSISTS OF MORE THAN ONE NEW EMISSION UNIT <u>OR</u> MORE THAN TWO MODIFIED UNITS, ENTER \$1,000.</li> </ol>	10)			
11) IF THIS APPLICATION CONSISTS OF A NEW SOURCE OR EMISSION UNIT SUBJECT TO SECTION 39.2 OF THE ACT (I.E., LOCAL SITING REVIEW); A COMMERCIAL INCINERATOR OR A MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR AN EMISSION UNIT DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$15,000.	11)			
12) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.	12)	acciditions.		
13) SECTION 3 SUBTOTAL (ADD LINES 9 THROUGH 12) TO BE ENTERED ON PAGE 1.	13)			

SECTION 4:	FEES FOR CURRENT OR PROJECTED MAJOR OR S	YNTHETIC MIN	OR SOURCES
Application	14) FOR THE FIRST MODIFIED EMISSION UNIT, ENTER \$2,000.	14)	
Contains Modified Emission Units	15) NUMBER OF ADDITIONAL MODIFIED EMISSION UNITS =X \$1,000.	15)	
Emission Units Only	16) LINE 14 PLUS LINE 15, OR \$5,000, WHICHEVER IS LESS.		16)
Application	17) FOR THE FIRST NEW EMISSION UNIT, ENTER \$4,000.	17) 4000	
Contains New And/Or Modified	18) NUMBER OF ADDITIONAL NEW AND/OR MODIFIED EMISSION UNITS = 9 X \$1,000.	18) 9000	
Emission Units	19) LINE 17 PLUS LINE 18, OR \$10,000, WHICHEVER IS LESS.		19) 10000
Application Contains Netting Exercise	20) NUMBER OF INDIVIDUAL POLLUTANTS THAT RELY ON A NETTING EXERCISE OR CONTEMPORANEOUS EMISSIONS DECREASE TO AVOID APPLICATION OF PSD OR NONATTAINMENT NSR =X \$3,000.		20)
	21) IF THE NEW SOURCE OR EMISSION UNIT IS SUBJECT TO SECTION 39.2 OF THE ACT (I.E., SITING); A COMMERCIAL INCINERATOR OR OTHER MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR ONE OR MORE OTHER EMISSION UNITS DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$25,000.		21)
	22) IF THE SOURCE IS A NEW MAJOR SOURCE SUBJECT TO PSD, ENTER \$12,000.		22)
	23) IF THE PROJECT IS A MAJOR MODIFICATION SUBJECT TO PSD, ENTER \$6,000.		23)
Additional	24) IF THIS IS A NEW MAJOR SOURCE SUBJECT TO NONATTAINMENT (NAA) NSR, ENTER \$20,000.		24)
Supplemental Fees	25) IF THIS IS A MAJOR MODIFICATION SUBJECT TO NAA NSR, ENTER \$12,000.		25)
	26) IF APPLICATION INVOLVES A DETERMINATION OF CLEAN UNIT STATUS AND THEREFORE IS NOT SUBJECT TO BACT OR LAER, ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIREDX \$5,000.		26)
	27) IF APPLICATION INVOLVES A DETERMINATION OF MACT FOR A POLLUTANT AND THE PROJECT IS NOT SUBJECT TO BACT OR LAER FOR THE RELATED POLLUTANT UNDER PSD OR NSR (E.G., VOM FOR ORGANIC HAP), ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. X \$5,000.		27)
<u> </u>	28) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.		28)
29) SECTION 4 SI	UBTOTAL (ADD LINES 16 AND LINES 19 THROUGH 28) TO BE ENTE	ERED ON PAGE 1.	29) 10000

	SECTION 5: CERTI	FICATION
NOTE: APF	LICATIONS WITHOUT A SIGNED CERTIFICATION WILL	BE DEEMED INCOMPLETE.
30) I CERTII INQUIR	FY UNDER PENALTY OF LAW THAT, BASED ON INFOR Y, THE INFORMATION CONTAINED IN THIS FEE APPLIC	MATION AND BELIEF FORMED AFTER REASONABLE CATION FORM IS TRUE, ACCURATE AND COMPLETE.  Plant Manager
- 12 (1	SIGNATURE	TITLE OF SIGNATORY
	David Bach	
	TYPED OR PRINTED NAME OF SIGNATORY	DATE

APPLICATION PAGE

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197-FEE

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Illinois Environmental Protection Agency
Division Of Air Pollution Control -- Permit Section
P.O. Box 19506
Springfield, Illinois 62794-9506

#### Construction Permit Application for a Proposed Project at a CAAPP Source

For Illinois	EPA use only
ID No.:	
Appl. No.:	
Date Rec'd:	
Chk No./Amt:	

This form is to be used to supply general information to obtain a construction permit for a proposed project involving a Clean Air Act Permit Program (CAAPP) source, including construction of a new CAAPP source. Detailed information about the project must also be included in a construction permit application, as addressed in the "General Instructions For Permit Applications," Form APC-201.

	Proposed Pr	oiect					
Working Name of Proposed Pro	Working Name of Proposed Project:						
2010 Finished Product Loadout Project							
Is the project occurring at a sou     No ⊠ Yes If Yes, prov	rce that already has a p vide BOA ID Number <u>0</u>						
<ol> <li>Does this application request a ☐ No</li></ol>	revision to an existing or ide Permit Number:						
Brief Description of Proposed P     See "Technical Support Document"							
See Tecrimical Support Document							
	AND THE RESERVE OF THE PARTY OF						
	Source Inforn	nation					
1. Source name:* Wedron Silica							
2. Source street address:* 3450 E	East 2056th Road						
3. City: Wedron	4. County: LaSalle		5. Zip code:* 60557				
ONLY COMPLETE	THE FOLLOWING FOR A S	OURCE WITHO	OUT AN ID NUMBER.				
Is the source located within city     If no, provide Township Nam		s 🛛 No					
7. Description of source and produ		8. Primary	Classification Code of source:				
Mining and processing of industria	ii pairid	SIC: 1 4	4 6 or NAICS:				
9. Latitude (DD:MM:SS:SSSS):	10.	Longitude (	DD:MM:SS.SSSS):				
41.43530		-88.77263					
* Is information different than previous If yes, then complete Form CAAPP 27.		Yes ⊠ N ative Change	7.				
lde	entification of Perr	nit Applic	ant				
Who is the applicant?	2. All corresp ⊠ Soul	rce 🔲 C	Owner				
3. Applicant's FEIN: 4. A	Attention name and/or ti Mark Schiefelbein	tle for writter	n correspondence:				

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Failure to do so could result in the application being denied and penalties under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

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	Owner In	formation*
1. Name: Fairmount Min	erals, Ltd.	
2. Address: 11833 Raver	nna Road	
3. City: Chardon	4. State: OH	5. Zip code: 44024
	than previous information? [AAPP 273 to apply for an Add	☐ Yes ☑ No ministrative Change to the CAAPP Permit for the source.
9	perator Information (	if different from owner)*
1. Name Wedron Silica	Company	
2. Address: 3450 East 20	56th Road	
3 City	4. State: IL	5. Zip code: 60557
3. City: Wedron		60557
Mr. Fred Mueller 3. Contact person's telep 815-431-8688	ntact: (check one)	Application Applicant's contact
<ol><li>Consultant for applicat Mr. Tom Klotz (GZA G</li></ol>	ion: eoEnvironmental, Inc.)	
6. Consultant's telephone 734-779-2428		7. Consultant's e-mail address: thomas.klotz@gza.com
	Other Addresses for	r the Permit Applicant
ONLY CO		DR A SOURCE WITHOUT AN ID NUMBER.
Address for billing Site	Fees for the source:	Source Other (provide below):
2. Contact person for Site	Fees	Contact person's telephone number:
4. Address for Annual Em	nission Report for the source	ce: Source Other (provide below):
5. Contact person for Ann	nual Emission Report:	6. Contact person's telephone number:

	Review Of Contents of the Application						
	NOTE: ANSWERING "NO" TO THESE ITEMS MAY RESULT IN THE APPLICATION	BEING DEEMED INCOMPLETE					
1.	Does the application include a narrative description of the proposed project?	⊠ Yes □ No					
2.	Does the application clearly identify the emission units and air pollution control equipment that are part of the project?	⊠ Yes □ No					
3.	Does the application include process flow diagram(s) for the project showing new and modified emission units and control equipment, along with associated existing equipment and their relationships?	⊠ Yes □ No					
4.	Does the application include a general description of the source, a plot plan for the source and a site map for its location?	X Yes					
5.	Does the application include relevant technical information for the proposed project as requested on CAAPP application forms (or otherwise contain all relevant technical information)?	⊠ Yes □ No					
6.	Does the application include relevant supporting data and information for the proposed project as provided on CAAPP forms?	⊠ Yes □ No					
7.	Does the application identify and address all applicable emission standards for the proposed project, including: State emission standards (35 IAC Chapter I, Subtitle B); Federal New Source Performance Standards (40 CFR Part 60)?	⊠ Yes □ No					
8.	Does the application address whether the project would be a major project for Prevention of Significant Deterioration, 40 CFR 52.21?	⊠ Yes □ No □ N/A					
9.	Does the application address whether the project would be a major project for "Nonattainment New Source Review," 35 IAC Part 203?	⊠ Yes □ No □ N/A					
10.	Does the application address whether the proposed project would potentially be subject to federal regulations for Hazardous Air Pollutants (40 CFR Part 63) and address any emissions standards for hazardous air pollutants that would be applicable?	Yes No N/A*  * Source not major Project not major					
11.	Does the application include a summary of annual emission data for different pollutants for the proposed project (tons/year), including: 1) The requested permitted emissions for individual new, modified and affected existing units*, 2) The past actual emissions and change in emissions for individual modified units* and affected existing units*, and 3) Total emissions consequences of the proposed project?  (* Or groups of related units)	Yes No N/A * The project does not involve an increase in emissions from new or modified emission units.					
	Does the application include a summary of the current and requested potential emissions of the source (tons/year)?	Yes No N/A* *Applicability of PSD, NA NSR or 40 CFR 63 to the project is not related to the source's emissions.					
	Does the application address the relationships and implications of the proposed project on the CAAPP Permit for the source?	☐ Yes ☐ No ☒ N/A* * CAAPP Permit not issued					
	If the application contains information that is considered a TRADE SECRET, has it been properly marked and claimed and all requirements to properly support the claim pursuant to 35 IAC Part 130 been met? Note: "Claimed" information will not be legally protected from disclosure to the public if it is not properly claimed or does not qualify as trade secret information.	Yes No N/A*  * No information in the application is claimed to be a TRADE SECRET					
	Are the correct number of copies of the application provided? (See Instructions for Permit Applications, Form 201)	⊠ Yes □ No					
16.	Does the application include a completed "FEE DETERMINATION FOR CONSTRUCTION PERMIT APPLICATION," Form 197-FEE, a check in the amount indicated on this form, and any supporting material needed to explain how the fee was determined?	⊠ Yes ☐ No					

	Signature Blo	ck		
Autho	rized Signature:			
the the	certify under penalty of law that, based on information and belief formed after reasonable inquiry ne statements and information contained in this application are true, accurate and complete and nat I am a responsible official for the source, as defined by Section 39.5(1) of the Environmental protection Act.			
BY:		Plant Manager		
	AUTHORIZED SIGNATURE	TITLE OF SIGNATORY		
	David Bach			
	TYPED OR PRINTED NAME OF SIGNATORY	DATE		



#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

	FOR APPLICANT'S USE
	Revision #:
and the same	Date: 05 / 06 / 2010
	Page of
-	Source Designation: BC3-022

PRO	CESS	<b>EMISSI</b>	ON UNIT	
$D\Delta T$	Δ ΔΝΓ	) INFOR	MATION	

ID NUMBER:	
EMISSION POINT#:	
DATE:	

S	OURCE INFORMATION
1) SOURCE NAME: Wedron Silica Company	
2) DATE FORM PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB
Gl	ENERAL INFORMATION

GENERALII	NFORMATION
NAME OF EMISSION UNIT:     Fluidized Bed Cooler By-Pass Belt Conveyor	
5) NAME OF PROCESS:	
Sand Cooling	
6) DESCRIPTION OF PROCESS:	
Transfer sand from Belt Conveyor (BC3-021) to	Fluid Bed Cooler (FB3-010) or Conveyor (BC3-023)
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A Dried raw sand	ACTIVITY ACCOMPLISHED:
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
BC3-022	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
Aggregate Systems	
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):
Fabricated	Fabricated
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	10/2009
*	b) OPERATION (MONTH/YEAR)
	1/2010
	c) LATEST MODIFICATION (MONTH/YEAR):
	07/2010 (planned)
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	
The proposed modification is a change in wet scru	ubber controls for one pickup point on this conveyor

from WS3-070 to the existing SLY wet scrubber (WS3-010).

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HA IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):	Y WHICH MODE IS	COVE	ERED BY T	HIS FORI	и (NOTE:	U Y	ES 🚫 NO
15) PROVIDE THE NAME AND DESIGNATION OF ALL AIR POLLUTION CONTROL EQUIPMENT CONTROLLING THIS EMISSION UNIT, IF APPLICABLE (FORM 260 CAAPP AND THE APPROPRIATE 260 CAAPP ADDENDUM FORM MUST BE COMPLETED FOR EACH ITEM OF AIR POLLUTION CONTROL EQUIPMENT).							
Particulate emissions will be controlled by two (2) wet scrubbers (WS3-070 and WS3-010)							
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECII ESTABLISHED BY AN EXISTING IF YES, COMPLETE AND ATTA	FIC RULE, OR THE S OR PROPOSED F	ALLO PERM	WABLE EN IT CONDIT	IISSION L ION?	IMIT AS	O YI	ES NO
EXCESS EMISSIONS DURING	STARTUP OF EQUI	PMEN	4T".				
17) PROVIDE ANY LIMITATIONS ON SOURCE OPERATION AFFECTING EMISSIONS OR ANY WORK PRACTICE STANDARDS (E.G., ONLY ONE UNIT IS OPERATED AT A TIME): NA							
	OPERAT	'INC	INFORM	ATION			The state of the s
18) ATTACH THE CALCULATIONS,	TO THE EXTENT T	HEY .	ARE AIR E	MISSION			
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBI							ATA WERE
19a) MAXIMUM OPERATING HOUR	S HOURS/DA	·Υ:		DAYS/WE	EK:	WEE	KS/YEAR:
8,760		24			7		52
b) TYPICAL OPERATING HOURS 8,520	1	Υ: 24		DAYS/WE	EK: 7	WEE	KS/YEAR: 52
20) ANNUAL THROUGHPUT	DEC-FEB(%		MAR-N	IAY(%):	JUN-AU	G(%):	SEP-NOV(%):
	25	r.Dúr	1	25	25		25
	MATERIAL		CE IVIEO	DAAATI	SAZ		
	MATERIAL	USA	GE INFO	NMATIC	// <b>V</b>		
	MAXIM	UM R	ATES			TYPICAL	RATES
21a) RAW MATERIALS	LBS/HR	П	TONS/YE	AR	LBS/F	1R	TONS/YEAR
Raw Sand	600,000		2,628	,000	450	0,000	1,971,000
	THE RESERVE OF THE PARTY OF THE						
AND THE STREET OF THE STREET O					-		
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·	i po ip			
	MAXIMU	JM RATES	TYPICA	L RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
	MAXIMU	JM RATES	TYPICA	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONSMEAR
	EIEI	USAGE DATA		
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):		FIRING RATE	c) DESIGN CAPAC RATE (MILLION	
d) FUEL TYPE:  O NATURAL GAS  O FUEL  IF MORE THAN ONE FUEL IS 1	JSED, ATTACH AN	EXPLANATION AND LAE		3
e) TYPICAL HEAT CONTENT OF BTU/GAL OR BTU/SCF):	ruee (BTO/LB)	GAS):	FOR CONTENT (VVI %	na for natural:
g) TYPICAL ASH CONTENT (WT GAS):	%., NA FOR NATUI		EL USAGE (SPECIFY I BALIYEAR, TONIYEAR	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROL AS	YES NO
IF NO, IDENTIFY THE EXHAUS	BT POINT FOR COM	IBUSTION EMISSIONS:		

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REGULATED AIR POLLUTANT(S)	EMISSION S. ANDARO(S)	RECUIREMENI(S)
М	IAC 212.123	<= 30% opacity
	IAC 212.321	PWR
ROVIDE ANY SPECIFIC RECORDKEEPING R	25) PROVIDE ANY SPECIFIC RECORDKEEPING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT. REGULATED AIR POLLUTANTS) RECORDKEEPING RULE(S)	NT: REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
ROVIDE ANY SPECIFIC REPORTING RULE(6	26) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT: REGULATED ARR POLLUTANTIS)	REOUREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
Z/) PROVIDE ANY SPECIFIC MONTORING RULE(S) WHICH REGULATED AIR POLLUTANT(S)	S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT. MONITORING RULE(S)	REQUIREMENT(S)
PW/PM10	39.5(7)(b) of IL Env. Protection Act	Periodic monitoring, inspection, maintenance & repair of the
		control device and sand handling process shall be performed to ensure that the system is operating properly
ROVIDE ANY SPECIFIC TESTING RULES AN	28) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCEDURES WHICH ARE APPLICABLE TO THIS EMISSION UNIT	EMISSION UNIT:
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
РМ	IAC 201,282	Emissions testing w/in 90 days of IEPA written request
PM10/PM	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification

	VIT QUALIFY FOR AN EXEMP	TION FROM AN	O YES	Ø NO			
OTHERWISE APPLICABLE RULE?  IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER							
	ADDRESS AND JUSTIFY TH		o-o, or rener to	Land Control Control			
· · · · · · · · · · · · · · · · · · ·	COMPLIANC	E INFORMATION					
30) IS THE EMISSION UNIT REQUIREMENTS?	N COMPLIANCE WITH ALL AF	PPLICABLE	∀ES	O NO			
IF NO, THEN FORM 294- COMPLYING EMISSION	CAAPP "COMPLIANCE PLAN! UNITS" MUST BE COMPLETE	SCHEDULE OF COMPLIAN D AND SUBMITTED WITH	ICE ADDENDUM F THIS APPLICATION	OR NON			
31) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY	, DEMONSTRATED	•			
Recordkeeping of PM/	PM10 emissions.						
PM emissions shall be	calculated using the follo	wing emission factor a	nd calculation me	thodology:			
Emission Factor: 0.001							
PM = Throughput * Em	ission Factor						
The emission factor is:	for SCC 3-05-027-60 from	the USEPA FIRE dat	abase and AP-42	. The			
	tor is based on use of we						
32) EXPLANATION OF HOW	ONGOING COMPLIANCE WIL	L BE DEMONSTRATED:		<u> </u>			
Recordkeeping of PM/F	M10 emissions.						
	calculated using the follow	wing emission factor ar	nd calculation me	thodology:			
Emission Factor: 0.001	3 lbs/ton						
PM = Throughput * Em							
	or SCC 3-05-027-60 from		abase and AP-42	. The			
published emission fac	tor is based on use of wet	scrubber control.					
	tana aball alaa	inalisela nariadia inana	ation and maintar	anno of the			
· · · · · · · · · · · · · · · · · · ·	ing compliance shall also	include periodic insper	ction and mainter	lance of the			
conveyor system.							
	ING, MONITORING, RE			. A 15 27 A 15 28 FS - 75 CS			
33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):							
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREA	MENT FR	EQUENCY			
sand thruput	tons/mo; tons/yr	Citect	monthl	y; annual			
PM Emissions	tons/mo; tons/yr	Calculation	monthl	y; annual			
PM10 Emission	tons/mo; tons/yr	Calculation	monthl	y; annual			
				paratoriantessassassassassassassassassassassassassa			
		· ·					

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RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M. OF RECORDKEEPING, TITLE OF F INTACT FOR REVIEW OF RECORD	ERSON RESPONSIBLE FOR				
PARAMETER	METHOD OF RECORDINE	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON				
sand thruput	Automated systm	Env. Coordinator	Plant Manager				
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager				
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager				
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY D	PEMONSTRATED BY REVIEW OF	⊠ YES □ NO				
d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:							
34a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:  A continuous monitoring system is installed, maintained and operated for monitoring scrubber gas stream pressure loss and scrubber liquid flow rate.							
b) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  Pressure loss and liquid flow rate.							
c) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):  Pressure Loss - Inlet and Outlet  Flow rate - Inlet							

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IF NO, LIST ALL MONITORS WITHOUT A	A RECORDING DEVICE:	X YES NO
BASIS?	CURACY ON AT LEAST A QUARTER	LY X YES O NO
IF NO. EXPLAIN:		
JE 190), EXELAND.		
f) IS EACH MONITOR OPERATED AT ALL	TIMES THE ASSOCIATED EMISSION	UNIT IS YES ONO
IN OPERATION?		CO LEG. NO
IF NO, EXPLAIN:		
35) PROVIDE INFORMATION ON THE MOS	T DECEMBER TESTS OF ANY ANIMARIS	THE RECIPTO ARE HOLD FOR
PURPOSES OF THE DETERMINATION	OF FEES, RULE APPLICABILITY OR	COMPLIANCE, INCLUDE THE TEST
DATE, TEST METHOD USED, TESTING SUMMARY OF RESULTS. IF ADDITION	COMPANY, OPERATING CONDITION IAL SPACE IS NEEDED, ATTACH AND	IS EXISTING DURING THE TEST AND / LABEL AS EXHIBIT 220-4:
	OPER,	
TEST DATE TEST METHOD	TESTING COMPANY CONDI	TIONS SUMMARY OF RESULTS
Annual de de la companya del companya de la companya del companya de la companya		
36) DESCRIBE ALL REPORTING REQUIRE	MENTS AND PROVIDE THE TITLE AN	D FREQUENCY OF REPORT
SUBMITTALS TO THE AGENCY:		د الايسان ( الايسان ) و من يعم ملهم يطو منين
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of Deviation	Excess emissions,monitrng,	As Required
	equip downtime, and misc.	
Annual Emissions Report	Illinois AER	Annual

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			Contribution of the Contri		1/10							
		<u></u>	↑ ACTUAL EMISSION     ↑ UNCONTROLLED E	△ 1 ACTUAL EMISSION RATE     ○ 1 UNCONTROLLED EMISSION RATE	RATE		ALLO	WABLE BY	ALLOWABLE BY RULE EMISSION RATE	ION RATE	PERMITTED	PERMITTED EMISSION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	SOTHER TERMS	3OTHER TERMS	4°DM	5RATE	(UNIȚS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM;							· (				
MONOXIDE (CO)	TYPICAL											
LEAD	MAXIMUM											
	TYPICAL											
NITROGEN	MAXIMUM:				-							
OXIDES (NOx)	TYPICAL							(				
PARTICULATE	MAXIMUM											
MATTER (PART)	TYPICAL											
PARTICULATE MATTER <= 10	MAXIMUM	SEE	WS3-20		/WS3-10			-			SEE WS3-20	0 and WS3-10
MICROMETERS (PM10)	TYPICAL							~				
SULFUR	MAXIMUM							_				
DIOXIDE (SO2)	TYPICAL:											
VOLATILE ORGANIC	MAXIMUM											
MATERIAL (VOM)	TYPICAL											
OTHER, SPECIFY:	MAXIMUM							9				
	TYPICAL							(				
EXAMPLE: PARTICULATE	MAXIMUM	5:00	27.9	0.3 GR/DSCF			7) 0.9	6.0 (LBS/HR)	212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	4.00	<i>*</i> 7	0.24 GR/DSCF			5.5 (1	55 (LBS/HR)	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

1CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS, SEE INSTRUCTIONS.
2PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSCF, ETC.)
4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE; 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)
5RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

WED00000623

		<b></b>	O 1ACTU	☐ 1actual emission rate ☐ 1uncontrolled emission rate	NTE SSION RATE		ALLOWABLE BY RULE	:ULE
NAME OF HAP EMITTED	2CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	3OTHER TERMS	4 <sub>DM</sub>	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM						
		TYPICAL						e and a second
		MAXIMUM						
	***************************************	TYPICAL			-			<del>aga stoygia</del>
		MAXIMUM						
		TYPICAL						· ·
		MAXIMUM:						
		TYPICAL:						
		MAXIMIJM						
		TYPICAL	manina processo de la propriaca de la companya del la companya de					
		MAXIMUM						
		TYPICAL		:				
		MAXIMUM:						
		TVPICAL:	es en exercement famore en outri à sécon les presentement esté de la fait de la fait de la fait de la fait de					***************************************
		MAXIMUM:						
		TYPIGAL						-
EXAMPLE		MAXIMUM	0.01	1,2		cv.	98% by wt control device	CFR 61
Benzene	27432	TYPICAL	V	αc		6	lask front trucks	RT 302/h1 (m)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE ARE EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

PLEASE PROVIDE ANY OTHER EMISSION EWHICH IS COMMONLY USED. REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRUDSOF, ETC.).

40M-LABER EMISSION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

SRATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

WED00000624

EXHAUST POIN	T INFORMATIOI	₹
D IF EMISSIONS ARE EX	KHAUSTED THROUGH.	AIR POLLUTION CONTROL EQUIPMENT:
EXHAUST POINT:		
		DRS, ETC.). IF THE EXHAUST POINT
DUNDARY FROM EXH	HAUST POINT DISCH	IARGE (FT):
DE (FT):		
SEP) HEIGHT, IF KNO	OWN (FT):	
): NOTE: FOR A NO OF THE AREA.	N CIRCULAR EXHAI	JST POINT, THE DIAMETER IS
a) MAXIMUM (ACF	M);	b) TYPICAL (ACFM):
a) MAXIMUM (°F):		b) TYPICAL (°F):
NTROL DEVICES SE	RVED BY THIS EXH	AUST POINT:
	FLO	W DIAGRAM DESIGNATION
		and the second s
BE SUPPLIED IF READ	ILY AVAILABLE	
- Allen senera escencia comición enque pregio está esperante especial de entre especial de escriptiva en construir en comición de especial	b) LONGITUDE:	
b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):
	DIF EMISSIONS ARE EXHAUST POINT:  (STACK, VENT, ROCCOMPLETE THE REMOUNDARY FROM EXHIPMENT):  SEP) HEIGHT, IF KNOWN (ACF.):  A) MAXIMUM (ACF.):  A) MAXIMUM (ACF.):  AL, LATERAL, DOWN  NTROL DEVICES SE	(STACK, VENT, ROOF MONITOR, INDOCOMPLETE THE REMAINING ITEMS.  DUNDARY FROM EXHAUST POINT DISCHOLORY  E (FT):  EEP) HEIGHT, IF KNOWN (FT):  ON NOTE: FOR A NON CIRCULAR EXHAUST THE AREA.  a) MAXIMUM (ACFM):  a) MAXIMUM (FF):  NTROL DEVICES SERVED BY THIS EXH.  FLO  BE SUPPLIED IF READILY AVAILABLE.



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

	F	OR APP	LIC	CANT'	S USE
	Revisi	on #:			
	Date:	05	1	06	/ 2010
	Page			of	
l	Sourc	e Desig	nat	ion:	
I		BC	23-	023	

FOR AGENCY USE ONLY

	ID NUMBER:
PROCESS EMISSION UNIT	
DATA AND INFORMATION	EMISSION POINT #:
	the state of the s
	DATE

	FORMATION
1) SOURCE NAME:	
Wedron Silica Company	
z) date form PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB
GENERAL IN	NFORMATION
4) NAME OF EMISSION UNIT: Fluidized Bed Cooler Discharge Belt Conveyor	
5) NAME OF PROCESS:	
Sand Cooling	
6) DESCRIPTION OF PROCESS:	
Transfer sand from Fluidized Bed Cooler (FB3-0	10) or By-pass Belt Conveyor (BC3-022)
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:
Dried raw sand	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
BC3-023	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
Aggregate Systems	
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):
Fabricated	Fabricated
12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR):
	10/2009
	b) OPERATION (MONTH/YEAR):
	1/2010
	c) LATEST MODIFICATION (MONTH/YEAR): 07/2010 (planned)

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES. 1991, AS AMENDED 1992, CHAPTER 111 1/2, FAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

APPLICATION PAGE \_\_\_\_\_

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Page 1 of 10

14) DOES THE EMISSION UNIT HA	VE MORE THAN ONE	MODE OF OPERATION	?	TYES NO		
IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):						
15) PROVIDE THE NAME AND DES	IGNATION OF ALL AII	R POLLUTION CONTRO	L EQUIPMENT C	CONTROLLING THIS		
EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA	E (FORM 260-CAAPP	AND THE APPROPRIAT	TE 260-CAAPP A	DDENDUM FORM		
Particulate emissions are con-				-010)		
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECI ESTABLISHED BY AN EXISTING	FIC RULE, OR THE AL	LOWABLE EMISSION L		YES NO		
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING	CH FORM 203-CAAPP STARTUP OF EQUIPM	, "REQUEST TO OPERA IENT".	HTIWITH			
17) PROVIDE ANY LIMITATIONS ON SOURCE OPERATION AFFECTING EMISSIONS OR ANY WORK PRACTICE STANDARDS (E.G., ONLY ONE UNIT IS OPERATED AT A TIME):						
NA						
- -						
	A	IO IUPODE LEIGH				
18) ATTACH THE CALCULATIONS,	TO THE EXTENT THE	<b>IG INFORMATION</b> EY ARE AIR EMISSION F	RELATED FROM	1 WHICH THE		
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBI	RMATION, MATERIAL	USAGE INFORMATION	N AND FUEL USA	AGE DATA WERE		
19a) MAXIMUM OPERATING HOUR		DAYS/WE	1.11	WEEKS/YEAR:		
8,760	24	on the state of th	7	52		
b) TYPICAL OPERATING HOURS 8,520	HOURS/DAY: DAYS/WEEK: WEEKS/YEAR: 24 7 52					
20) ANNUAL THROUGHPUT	DEC-FEB(%):					
- 1.2 - 1.2	25	25	25	25		
MATERIAL LISAGE INFORMATION						
MATERIAL USAGE INFORMATION						
	MAXIMUN	1 RATES	TY	PICAL RATES		
21a) RAW MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR		
Raw Sand	600,000	2,628,000	450,00	1,971,000		
qriiniii hiji maa jiri, aya maa ariidaa daa aa						

APPLICATION PAGE

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	MAXIMU	JM RATES	TYPICA	AL RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
	and the state of t			
Manager 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997				
	MAXIM	JM RATES	TYPIC/	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR I	TONS/YEAR
a. Loy last 1 1 Country of 1 (1) 1 Last of 1 (1)				
	FUEL	USAGE DATA		
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):		FIRING RATE BTU/HR):	c) DESIGN CAPAC RATE (MILLION	
d) FUEL TYPE:				
Onatural gas Ofu			0	
1				
IE MORE THAN ONE FUEL IS USED, ATTACH AN EXPLANATION AND LABEL AS EXHIBIT 220-2.				
e) TYPICAL HEAT CONTENT OF BTU/GAL OR BTU/SCF):	FUEL (BTU/LB,	f) TYPICAL SULI GAS):	FUR CONTENT (WT %	, NA FOR NATURAL
TOTAL ADUDOUTET AND	TOU NA FOR MATER	DAI 63 ANNUAN FUR	T. DOAGE (ODEGIEV.)	INITES E 25
g) TYPICAL ASH CONTENT (WI GAS):	%, NA FOR NATO	SCF/YEAR, G	EL USAGE (SPECIFY I BALYEAR, TONYEAR	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?		SAME STACK OR CON	TROLAS	YES ONO
IF NO, IDENTIFY THE EXHAU	ST POINT FOR CON	BUSTION EMISSIONS:		

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page 4 of 10

	NIT QUALIFY FOR AN EXEMP	PTION FROM AN	O yes	Ø NO			
OTHERWISE APPLICABLE RULE?  IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.							
	22450 (41)						
ON TO THE EMPONONIUM	IN COMPLIANCE WITH ALL A	CE INFORMATION	6				
REQUIREMENTS?	IN COMPLIANCE WITH ALL A	FFLICABLE	⊗ YES	U NO			
IF NO, THEN FORM 294 COMPLYING EMISSION	CAAPP "COMPLIANCE PLAN UNITS" MUST BE COMPLETE	SCHEDULE OF COMPLIAN ED AND SUBMITTED WITH	NCE - ADDENDUM F THIS APPLICATION	OR NON			
31) EXPLANATION OF HOV	/ INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSL	Y, DEMONSTRATED				
Recordkeeping of PM/	PM10 emissions.						
PM emissions shall be	calculated using the follo	wing emission factor a	and calculation me	thodology:			
Emission Factor: 0.0013 lbs/ton							
PM = Throughput * Emission Factor							
	for SCC 3-05-027-60 from otor is based on use of we		tabase and AP-42	2. The			
32) EXPLANATION OF HOV	ONGOING COMPLIANCE WI	LL BE DEMONSTRATED:					
Recordkeeping of PM/	PM10 emissions						
		wing emission factor a	nd calculation me	thodology:			
PM emissions shall be calculated using the following emission factor and calculation methodology: Emission Factor: 0.0013 lbs/ton							
PM = Throughput * Em							
· · · · · · · · · · · · · · · · · · ·	for SCC 3-05-027-60 from	n the USEPA FIRE dat	abase and AP-42	The			
	tor is based on use of we			e statemen			
- published chilosion ac							
Demonstration of once	ing compliance shall also	include periodic inspe	ection and mainter	ance of the			
conveyor system.	inig compilation criain aloc	mondo portodio mopo	onor and mannes	idiloo or mo			
conveyor system.							
	TING, MONITORING, RE						
DETERMINE FEES, RU	RS THAT RELATE TO AIR EMI JLE APPLICABILITY OR COMF EMENT, AND THE FREQUEN	PLIANCE, INCLUDE THE U	INIT OF MEASUREM	ENT, THE			
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASURE	MENT FR	EQUENCY			
sand thruput	tons/mo; tons/yr	Citect	month	y; annual			
PM Emissions	tons/mo; tons/yr	Calculation	monthl	y; annual			
PM10 Emission	tons/mo; tons/yr	Calculation	monthi	y; annual			
	L. Control of the Con	2					

APPLICATION PAGE

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RECORDED PARAMETE	ER INCLUDE THE METHOD (	ORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF F NTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR		
PARAMETER	METHOD OF RECORDICEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON		
sand thruput	Automated systm	Env. Coordinator	Plant Manager		
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager		
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager		
c) IS COMPLIANCE OF THE	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF			
THE RECORDS?			⊗ YES		
IF NO, EXPLAIN:					
d) ARE ALL RECORDS REAL		CTION, COPYING AND	Ø YES □ NO		
SUBMITTAL TO THE AGE	NCY UPON REQUEST?		O TES O NO		
IF NO, EXPLAIN:					
34a) DESCRIBE ANY MONITO	RS OR MONITORING ACTIV	THES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR		
COMPLIANCE:	system is installed main	tained and operated for mon	itorina ecrubber ase		
stream pressure loss and			noring scrubber gas		
b) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  Pressure loss and liquid flow rate.					
1 103501C 1035 and night t	INCRE. FINISH:				
c) DESCRIBE THE LOCATIO	N OF EACH MONITOR (E.G.,	IN STACK MONITOR 3 FEET FRO	M EXIT):		
Pressure Loss - Inlet and	Outlet				
Flow rate - Inlet					

Page 6 of 10

34d) IS EACH MONITOR EQUIPPED W	TH A RECORDING DEVICE?		× YES	O NO
IF NO, LIST ALL MONITORS WITHOU	OT A RECORDING DEVICE:		O IES	O MO.
<ul> <li>11 Extract image is extract \$22562 \$227 and \$356 \$237 \$100 bit</li> </ul>	१ १८ - ८ <sub>वि</sub> १ १४ मान्य क्रिया क्षेत्र है। अस्ति १९ अ. जान्य - जान्य - क्षेत्र क्षेत्र हैं, <sub>वि</sub> त्र क्षेत्र क्ष्य			
ALIS EACH MONITOR REWEINED FOR	ACCURACY ON AT LEAST A QUARTER	V	<u>(3)</u>	$\overline{}$
BASIS?	ACCOUNCY CITAL ELECT AGOACTER	~ t-	X YES	U NO
IF NO, EXPLAIN:				
				:
A IS EACH MONITOR OPERATED AT A	LL TIMES THE ASSOCIATED EMISSION	LINIT IS	62)	
IN OPERATION?	EL TREE RECOONING ENBORN	DIMINO.	∀ES	U NO
IF NO, EXPLAIN:				
maticam of the control of the con-				
35) PROVIDE INFORMATION ON THE MO	OST RECENT TESTS: IF ANY, IN WHICH	THE RESULT:	S ARE USED	FOR
PURPOSES OF THE DETERMINATION	ON OF FEES, RULE APPLICABILITY OR O	COMPLIANCE.	INCLUDE TH	IE TEST
	NG COMPANY, OPERATING CONDITION ONAL SPACE IS NEEDED, ATTACH AND			IEST AND A
	OPERA OPERA	TING		
TEST DATE TEST METHOD	TESTING COMPANY CONDI	TIONS	SUMMARY OF	RESULTS
			······································	
36) DESCRIBE ALL REPORTING REQUIR	DEMENTS AND DEMONS THE TIPE AND	n epenieko	/ OE DEDOO	<u> </u>
SUBMITTALS TO THE AGENCY:	CHILLYTO MIND PROVIDE THE HILE AN	PEREGOENC	COURCEOR	,
REPORTING REQUIREMENTS	TITLE OF REPORT		FREQUENCY	
Notification of Deviation	Excess emissions,monitrng,	As Requi		
TYOUNGARON OF DEVIATION		/ No requi	rou	
	equip downtime, and misc.			
Annual Emissions Report	Illinois AER	Annual		

					3(/)5	20000	とうに関係していることがあることが					
		الت است	★ TACTUAL EMISSION RATE     ↓ UNCONTROLLED EMISSIC	MISSION RATE	VRATE		ALLOW	ABLE BY	ALLOWABLE BY RULE EMISSION RATE	ON RATE	PERMITTED EMISSION RATE	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	₩Q.	<sup>5</sup> RATE (	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM											
MONOXIDE (CO)	TYPICAL											
LEAD	MAXINUM:							<u> </u>			-	-
	TYPICAL											
NITROGEN	MAXIMUM:		-									
OXIDES (NOx)	TYPICAL							_				
PARTICULATE	MAXIMUM						)	_				
MATTER (PART)	TYPICAL											
PARTICULATE MATTER <≈ 10	MAXIMUM	SEE	WS3-70		/WS3-10				THE CONTRACTOR STATES AND ADDRESS AND ADDR		SEE WS3-070	///S3-010
MICROMETERS (PM10)	TYPICAL										1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
SULFUR	MAXIMUM							^				
DIOXIDE (SO2)	TYPICAL							,-				
VOLATILE	MAXIMUM						1 ~					
MATERIAL (VOM)	TYPICAL						1.					
OTHER, SPECIFY:	MAXIMUM							_				
	TYPICAL							(				
EXAMPLE: PARTICULATE	MAXIMUM	5.00	219	0.3 GR/DSCF		471	6.0 (LBS/HR)	HR)	212.321	26,28	5.5 LBS/HR	22
MATTER	TYPICAL	4.00	14.4	0.24 GR/0.SCF		4	5.5 (LBS/HR)	Æ	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

1 CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS. 2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

SPICEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSOF, ETC.)

4DM - DETERMINATION METHOD: 1) STACKTEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP 42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS)

5RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

MAME OF IMAP   Construct   C			(3)	(38) HAZARDOUS.	AIR POLLUTAI	HAZARDOUS AIR POLLUTANT EMISSION INFORMATION	<b>FORMATIC</b>	N	
2CAS   POUNDS PER TOWS PER T		***************************************		□ 1ACTU/ □ 1UNCO	AL EMISSION RA NTROLLED EMIS	TE ISION RATE		ALLOWABLE BY RUI	
TYPICAL   MAXIMUM   TYPICAL   TYPI	NAME OF HAP EMITTED	2CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	4DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
TYPICAL			MAXIMUM						
TYPICAL   WASARUM   TYPI			TYPICAL						
TYPICAL   MAXIMUM   TYPICAL   S.0 0.08   Part		-	MAXIMUM	and the second contract of the second contrac				and the state of t	
TYPICAL   WASHIUM   TYPICAL   S.0 0.8   99% by w. control devices	aki imaminin		TYPICAL						
TYPICAL   MAXIMUM:   TYPICAL   TYPICA			MAXIMUM						
TYPICAL   WAXIMUM:   TYPICAL   T			TYPICAL						
TYPICAL   WAXIMUM:   TYPICAL   TYPICA			MAXIMUM						
TYPICAL   MAXIMUM:   TYPICAL   MAXIMUM:   TYPICAL   MAXIMUM:   TYPICAL			TYPICAL						
TYPICAL   WAXIMUM   TYPICAL   WAXIMUM   TOO   1.2   98% by wt control devices   1   1   1   1   1   1   1   1   1			MAXIMUM						
TYPICAL   WAXIMUM:   TYPICAL   WAXIMUM:   TYPICAL   WAXIMUM:   TYPICAL			TVPICAL		and a second day of the second				
TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  MAXIMUM: TYPICAL  TYPICAL  MAXIMUM: TYPICAL  TYP			MAXIMUM						
WASSIMUM:         TYPICAL           MASSIMUM:         1000           77432         1790al.           77432         8.0           0.8         1790al.			TYPICAL	and de la company and de la company de la co					
TYPICAL   MAXIMUM   10.0   1.2   98% by wt control device			MAXIMUM						
TYPICAL TYPICAL 2 98% by wt control device 17432 TYPICAL 8.0 0.8 2 leak-light trucks		- 20	TYPICAL						
TYPICAL   10.0   1.2   98% by wt control device   7/1432   TYPICAL   8.0   0.8   Feak-light trucks			MAXIMUM						
Modification         7.2         2         98% by wt control device           7/1432         TYPICAL         8.0         0.8         leak-tight trucks			TYPICAL					-	
71432 TPPCAL 8.0 0.8 Eak-light trucks	EXAMPLE:		MAXIMUM	0 0,1	7.		54	98% by wt control device	CFR 61
	Benzene	71432	TYPICAL	8,0	8.0		2	leak-tight trucks	61 302(b) (d)

1PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

2CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

3CHEASE PROVIDE ANY OTHER REMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRUDSCF, ETC.).

4DM - DETERMINATION METHOD: 1) STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

5RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		NT INFORMATIO	
THIS SECTION SHOULD NOT BE COMPLE	TED IF EMISSIONS ARE	EXHAUSTED THROUGH	AIR POLLUTION CONTROL EQUIPMENT.
39) FLOW DIAGRAM DESIGNATION	OF EXHAUST POINT:	The state of the s	
40) DESCRIPTION OF EXHAUST PO DISCHARGES INDOORS, DO NO	INT (STACK, VENT, RO OT COMPLETE THE RE	OOF MONITOR, INDO MAINING ITEMS.	ORS, ETC.). IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT	BOUNDARY FROM E	XHAUST POINT DISC	HARGE (FT)
42) DISCHARGE HEIGHT ABOVE GR	ADE (FT):	Managaran da	
43) GOOD ENGINEERING PRACTICE	(GEP) HEIGHT, IF KI	NOWN (FT):	
44) DIAMETER OF EXHAUST POINT 1.128 TIMES THE SQUARE ROO		ION CIRCULAR EXHA	SUST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (Ad	CFM):	b) TYPICAL (ACFM):
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F	)F.,	b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERT	ICAL, LATERAL, DOW	NWARD):	<u> </u>
48) LIST ALL EMISSION UNITS AND	CONTROL DEVICES	SERVED BY THIS EXI	HAUST POINT:
NAME		FL	OW DIAGRAM DESIGNATION
a)	and the second s		
b):			The state of the s
c)	www.inenwee.com.com.com.com.com.com.com.com.com.com		
<b>d</b> )	and the second s		
THE FOLLOWING INFORMATION NEED O	NLY BE SUPPLIED IF REA	NDILY AVAILABLE	
49a) LATITUDE:		b) LONGITUDE:	
50) UTM ZONE:	b) UTM VERTICA	AL (KM)	c) UTM HORIZONTAL (KM):



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

<u>F0</u>	R APPL	ICANT'	S USE
Revisio	on #:		
Date:	_05_	/ _06	/ 10
Page		of	
Source	Design BE:	ation: 5-060	

	FOR AGENCY USE ONLY
PROCESS EMISSION UNIT	ID NUMBER:
DATA AND INFORMATION	EMISSION POINT #.
	DATE

SOURCE IN	IFORMATION		
1) SOURCE NAME:			
Wedron Silica Company			
2) DATE FORM	3) SOURCE ID NO.		
PREPARED: 05-06-2010	(IF KNOWN): 099804AAB		
CENEDAL	ALEO DINATION		
4) NAME OF EMISSION UNIT:	NFORMATION		
Bucket elevator			
5) NAME OF PROCESS:			
Coarse Screening - Zone 05 (Wedron II)			
6) DESCRIPTION OF PROCESS:			
Bucket elevator from Wedron II process to Final	Product Loadout areas		
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:		
Dried raw sand			
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:			
BE5-060			
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):			
UNKNOWN			
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):		
UNKNOWN	UNKNOWN		
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):		
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	07/2010 (planned)		
7 ( )	b) OPERATION (MONTH/YEAR):		
	08/2010 (planned)		
	c) LATEST MODIFICATION (MONTH/YEAR):		
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	K 1 K 1 2 2 2 3 3 3 3 3 3 3		
Replace the existing bucket elevator with a new b			
\$ - 200 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	of this project. The unit will continue to be controlled		
by a baghouse dust collector (BH5-010)			

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HA	VE MORE THAN ON	IE MODE OF	OPERATION	?	O YES	s 🛛 NO
IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):						***************************************
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA	E (FORM 260-CAAP ACH ITEM OF AIR PI	P AND THE A	PPROPRIAT	TE 260-CAAPP		
Particulate emissions are conf	rolled by a bagh	ouse (BH5-	010)			
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECI ESTABLISHED BY AN EXISTING	FIC RULE, OR THE A G OR PROPOSED P	ALLOWABLE ERMIT COND	EMISSION L ITION?	IMIT AS	O YES	s 🛭 NO
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING:			T TO OPERA	ATE WITH		
17) PROVIDE ANY LIMITATIONS O STANDARDS (E.G., ONLY ONE NA				ONS OR ANY W	ORK PR	ACTICE
AN APPAGE THE ON A BATIONS		ING INFOR		April & Spring Mary 20.	A LAN LIGH	
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBI	RMATION, MATERI	IAL USAGE IN	FORMATION	NAND FUEL US		
19a) MAXIMUM OPERATING HOUR 8,760	4	Y;.	DAYS/WE	EK: 7	WEEKS	SYEAR: 52
b) TYPICAL OPERATING HOURS	HOURS/DA	Υ:	DAYS/WE		WEEKS	SYEAR:
8,520		4		7		52
20) ANNUAL THROUGHPUT	DEC-FEB(%	6): MAR	-MAY(%): 25	JUN-AUG(% 25	9);	SEP-NOV(%): 25
	MATERIAL L	JSAGE INF	ORMATIC	N		
	MAXIMI	JM RATES	1		PICAL F	RATES
21a) RAW MATERIALS	LBS/HR	TONS/	YEAR	LBS/HR		TONS/YEAR
Raw Sand	700,000	2,62	28,000	700,0	00	1,200,120
				<u> </u>		

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	MAXIMU	M RATES	TYPICA	L RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
ANNUALE ESCANDARION ANNO ANNO ANNO ANNO ANNO ANNO ANNO A				
				-
		Martinative Martinative Control of the Control of t		
	MAXIMU	M RATES	TYPICA	L RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
				<u> </u>
angua kanga angua an				
The state of the s				
			***************************************	
	<u> </u>			
	FUEL	USAGE DATA		Martin Martin Commence of the
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL F (MILLION I		c) DESIGN CAPAC RATE (MILLION	
(WILLION B) OFFICE.	(MILCOIV)	aronny.	KATE (MICCIOIA	D) On INJ.
d) FUEL TYPE:			ALAMA (A)	
ONATURAL GAS OFUL	EL OIL: GRADE NUM	BER O	OAL OTHER	Ī
IF MORE THAN ONE FUEL IS				
e) TYPICAL HEAT CONTENT OF	EUEL /RTI//LR	A TYPICAL SUL	FUR CONTENT (WT %	NA FOR NATURAL
BTU/GAL OR BTU/SCF):	OLL (DIOLE).	GAS):	LOV COMITMENT AND YO	, NATOKNATOKAL
g) TYPICAL ASH CONTENT (WI	% NA FOR NATUR	AL h) ANNUALFU	EL USAGE (SPECIFY U	INITS: E.G.
GAS):	304 30 13 503 1303 150		SALYEAR, TONYEAR	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROL AS	YES ONO
IF NO, IDENTIFY THE EXHAUS	ST POINT FOR COMI	BUSTION EMISSIONS:		
	and the second of the second o	and a supplied of the supplied		

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29) DOES THE EMISSION U OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMP LE RULE?	TION FROM AN	O YES	⊗ NO
EXEMPTION: PROVIDE SUPPORTING DATA AN	H THE RULE FROM WHICH IT A DETAILED EXPLANATION J D CALCULATIONS. ATTACH A H ADDRESS AND JUSTIFY TH	JUSTIFYING THE EXEMPTION AND LABEL AS EXHIBIT 220-	N. INCLUDE DET.	AILED
	COMPLIANC	E INFORMATION		
	IN COMPLIANCE WITH ALL A		Ø yes	O NO
REQUIREMENTS?	r na na headh agus agus agus agus agus agus agus agus			
	-CAAPP "COMPLIANCE PLAN/ UNITS" MUST BE COMPLETE			
31) EXPLANATION OF HOV	/INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY, I	DEMONSTRATED	а Ж
Recordkeeping of PM/	PM-10 emissions.			
PM emissions shall be	calculated using the folio	wing emission factor and	I calculation me	ethodology:
PM Emission Factor: 0 PM-10 Emission Factor PM = Throughput * En		ol Efficiency)		
The emission factor is	for SCC 3-05-025-03 fron	n the USEPA FIRE datab	pase and AP-42	2.
32) EXPLANATION OF HOV	V ONGOING COMPLIANCE WII	L BE DEMONSTRATED:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
PM Emission Factor: 0 PM-10 Emission Facto PM = Throughput * Em	calculated using the follow 029 lbs/ton	ol Efficiency)		······································
Demonstration of ongo conveyor system.	ing compliance shall also	include periodic inspecti	on and mainter	nance of the
			FOADTINA	
33a) LIST THE PARAMETEI DETERMINE FEES, RU	TING, MONITORING, RE RS THAT RELATE TO AIR EMI JLE APPLICABILITY OR COMP EMENT, AND THE FREQUENC	SSIONS FOR WHICH RECOR LIANCE, INCLUDE THE UNIT	DS ARE BEING M FOF MEASUREM	ENT, THE
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMEN	NTFR	EQUENCY
sand thruput	tons/mo; tons/yr	Citect	1 [	y; annual
PM Emissions	tons/mo; tons/yr	Calculation	month	y; annual
PM10 Emission	tons/mo; tons/yr	Calculation	monthl	y; annual
		, martinenium nigras laidd dd mannann marigas, ac and inn ann ann affan glynnasach		:
				- distribution of the conference of the conferen

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RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF I INTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDICEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
sand thruput	Automated systm	Env. Coordinator	Plant Manager
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY D	DEMONSTRATED BY REVIEW OF	⊗ yes  ○ no
d) ARE ALL RECORDS REAI SUBMITTAL TO THE AGE IF NO, EXPLAIN:		ECTION, COPYING AND	⊗ yes
COMPLIANCE:		VITIES USED TO DETERMINE FEE	
b) WHAT PARAMETER(S) IS Pressure drop	(ARE) BEING MONITORED	(E.G., VOM EMISSIONS TO ATMOS	PHERE)?
c) DESCRIBE THE LOCATIO Baghouse	N OF EACH MONITOR (E.G.	,, IN STACK MONITOR 3 FEET FRO	M.EXIT);

34d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	≥ YES □ NO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:	Sure time.
e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERL BASIS?	Y XYES NO
IF NO, EXPLAIN:	
IF NO, EAFLAIN.	
A TABLE MANUTON OPENATED AT ALL TIMES THE ASSOCIATED EMISSION	
f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION IN OPERATION?	UNIT IS YES NO
IF NO. EXPLAIN:	
W. T. C.	
AND DOO HOE INFORMATION ON THE MOST DESCRIPT TROTO IS AND INVINCION.	TUE DEGLUE TO ASSURE SECO
35) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR C	OMPLIANCE. INCLUDE THE TEST
DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITION: SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND	
OPERA	
TEST DATE TEST METHOD TESTING COMPANY CONDIT	
36) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND SUBMITTALS TO THE AGENCY:	FREQUENCY OF REPORT
REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY
Notification of Deviation Excess emissions,monitrng,	As Required
equip downtime, and misc.	
Annual Emissions Report Illinois AER	Annual
the state of the s	

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					(37)E	(37) EMISSION INFORMATION	INFORMA	100				
			O 1 1 TACTUAL EMISSION RATE	MISSION RATE OLLED EMISSION RATE	VRATE	<u></u>	ALLOI	WABLE BY	ALLOWABLE BY RULE EMISSION RATE	ON RATE	<sup>2</sup> PERMITTED EMISSION RATE	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	₩Q.	5 <sub>RATE</sub>	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUME					:		6				
MONOXIDE (CO)	TYPICAL							<u></u>				
LEAD	MAXIMUM:							^				
	TYPICAL							^			100	T
NITROGEN	MAXIMUM							(				
OXIDES (NOx)	TYPICAL							·			100 A	
PARTICULATE	MAXIMUM											
MATTER (PART)	TYPICAL	empropris construction printer distribution de la construction										
PARTICULATE MATTER <= 10	MAXIMUM:	SEE	BH5-010					^			SEE BH5-010	
MICROMETERS (PM10)	TYPICAL							( )				
SULFUR	MAXIMUM							( )				
DIOXIDE (SO2)	TYPICAL											78.0
VOLATILE	MAXIMUM											
MATERIAL (VOM)	TYPICAL											
OTHER, SPECIFY:	MAXIMUM											
	TYPICAL							^ 				
EXAMPLE: PARTICULATE	MAXIMUM	5.00	27.9	6R/DSCF			7) 0'9	6.0 (LBS/HR)	212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	4.00	14.4	0.24 GR/DSCF		*	7) 2'3	5.5 (LB3/HR)	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS, PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

SPILEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSCF, ETC.).

4DM - DETERMINATION METHOD 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP 42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS)

FRATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

			O 1ACTU	☐ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E SION RATE		ALLOWABLE BY RULE	W
NAME OF HAP EMITTED	2CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	4DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM						
		TYPICAL					and disk promoners	
		MAXIMUM	Andreas Control of the Control of th					
		TYPICAL:						
		MAXIMUM:	PROPERTY OF SELECTIONS OF SERENCE ADMINISTRAL					
		TYPICAL					-	
		MAXIMUM						
		TYPICAL	A Commence of the commence of					
		MAXIMUM						
		TYPICAL			ementalentalentalen gegen in den den der der den den den den der den der den der den der den der den der den d			
		MAXIMIJM						
		TYPICAL					7/417	
		MAXIMUM						
		TYPICAL						
		MAXIMUM	epinjenen en elektricken (in in interdelijken en entwicken stepen en enderen en enderen en enderen en enderen					
		TYPICAL						
EXAMPLE		MAXIMUM	0.01	8		2	98% by wt control device	CFR 61
Benzene	71432	TYPICAL:	8.0	8,0		C)	leak-tight trucks	67,302(b),(d)

PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENTIS USED. OTHERWISE, PROVIDE ACTUAL, EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

SCAS., CHEMICAL ABSTRACT SERVICE NUMBER.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRUDSCF, ETC.).

BY AND STANDARD AND SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

FRATE - ALLOWABLE EMISSION RATE, OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	EXHAUST POIN	T INFORMATION	<i>(</i>
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EX	(HAUSTED THROUGH /	AIR POLLUTION CONTROL EQUIPMENT:
39) FLOW DIAGRAM DESIGNATION OF	EXHAUST POINT:		
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C			ORS, ETC.). IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT BOI	UNDARY FROM EXH	IAUST POINT DISCH	ARGE (FT):
42) DISCHARGE HEIGHT ABOVE GRADI	Ξ (FT):		
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNO	WN (FT):	
44) DIAMETER OF EXHAUST POINT (FT) 1.128 TIMES THE SQUARE ROOT OF		N CIRCULAR EXHAL	JST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACF	M);	b) TYPICAL (ACFM):
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERTICA 48) LIST ALL EMISSION UNITS AND CON			AUST POINT:
NAME	3.3.3.3.50 pm. 30.0 pm. 2.3.50 pm. 50.0 pm. 50.0 pm.		W DIAGRAM DESIGNATION
a)			
b)			
d)	***************************************		
е)			
THE FOLLOWING INFORMATION NEED ONLY 49a) LATITUDE:	BE SUPPLIED IF READ	b) LONGITUDE:	
50) UTM ZONE:	b) UTM VERTICAL	(KM):	o) UTM HORIZONTAL (KM):
	<u> </u>		



1) SOURCE NAME:

Wedron Silica Company

### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL – PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE
Revision #:
Date: 05 / 06 / 10
Page of
Source Designation: BC6-220
BC6-220

# PROCESS EMISSION UNIT

-	FOR AGENCY USE ONLY
-	ID NUMBER:
On the Party Stewart Stewart	EMISSION POINT#:
	DATE:

2) DATE FORM PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB		
GENERAL II	NFORMATION		
4) NAME OF EMISSION UNIT: Belt Conveyor			
5) NAME OF PROCESS:			
Loading - Zone 06			
6) DESCRIPTION OF PROCESS:			
Belt conveyor from bucket elevator (BE5-060) to	loadout areas		
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:		
Dried raw sand			
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:			
BC6-220			
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):			
UNKNOWN			
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):		
UNKNOWN	UNKNOWN		
12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION	a) CONSTRUCTION (MONTH/YEAR):		
OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	07/2010 (planned)		
All of the most term in the most transfer and the residue of Carlo man for	b) OPERATION (MONTH/YEAR):		
	08/2010 (planned)		
	c) LATEST MODIFICATION (MONTH/YEAR);		
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):			
Installation of a new belt conveyor.			

SOURCE INFORMATION

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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14) DOES THE EMISSION UNIT HA	VE MORE THAI	N ONE M	IODE OF C	PERATION	?	O YE	s 🛭 No	
IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):								
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA Particulate emissions are cont	E (FORM 260-0 CH ITEM OF A	AAPP AI IR POLLI	ND THE A UTION CO	PPROPRIAT NTROL EQI	E 260-CAAPP			
		och erne experience er delegazionaggiorna			oronographic and the state of t	<u></u>	-	
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECIF ESTABLISHED BY AN EXISTING	IC RULE, OR T	THE ALLO	DWABLE E	MISSION L		O YE	s 🛭 NO	
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING				TO OPERA	ATE WITH			
17) PROVIDE ANY LIMITATIONS OF STANDARDS (E.G., ONLY ONE NA				ng Emissi	ONS OR ANY V	VORK P	RACTICE	
	ODE	ATIMA	MEAD	I ATION		·		
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	TO THE EXTEN	NT THEY TERIAL (	ARE AIR JSAGE IN	FORMATION	AND FUEL US	SAGE D		
19a) MAXIMUM OPERATING HOUR	s Hours	S/DAY:		DAYS/WE	ΕΚ':	WEEK	S/YEAR:	
8,760 24 7 52							52	
b) TYPICAL OPERATING HOURS HOURS/DAY: DAYS/WEEK: WEEKS/YEAR: 8,520 24 7 52								
20) ANNUAL THROUGHPUT	superior and the second se			JUN-AUG(% 25	6);	SEP-NOV(%): 25		
MATERIAL USAGE INFORMATION								
	MAJERIA	4L USA	GE INF	JRINA I IC	<u>IN</u>	alanninininpanan.		
	MA	XIMUM F	RATES		T	YPICAL	RATES	
21a) RAW MATERIALS	LBS/HR		TONS/	EAR	LBS/HR		TONS/YEAR	
Raw Sand	700,00	00	2,62	8,000	700,0	00	1,200,120	
			i					
	enandoù inqui proprio accesso de la constante		· · · · · · · · · · · · · · · · · · ·					
				- Industry				

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Γ	MAXIMI	IM RATES	TYPICA	L RATES
auti propilore	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
21b) PRODUCTS	LB5/RK	TONS/TEAR	LD5/FIX	TONOTEAR
			· ·	
	San			i .
·	<u></u>	2		
	MAXIML	JM RATES	TYPICA	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
	:			
				and the latter of the state of
22a) MAXIMUM FIRING RATE	b) TYPICAL F	USAGE DATA	a) DESIGN CAPAC	ITY FIRING
(MILLION BTU/HR):	(MILLION		RATE (MILLION	
\$				
d) FUEL TYPE:				
ONATURAL GAS OFUE	L OIL: GRADE NUM	MBER Uc	oal $\cup$ other $\_$	
IF MORE THAN ONE FUEL IS U	JSED, ATTACH AN I	EXPLANATION AND LAB	EL AS EXHIBIT 220-2.	
e) TYPICAL HEAT CONTENT OF I BTU/GAL OR BTU/SCF):	FUEL (BTU/LB,	f) TYPICAL SULF GAS):	FUR CONTENT (WT %	., NA FOR NATURAL
<li>g) TYPICAL ASH CONTENT (WT GAS):</li>	%., NA FOR NATUR		EL USAGE (SPECIFY L SALYEAR, TON/YEAR	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROLAS C	YES ONO
IF NO, IDENTIFY THE EXHAUS	T POINT FOR COM	BUSTION EMISSIONS:		

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29) DOES THE EMISSION UNIT QUALIFY FOR AN EXEMPT OTHERWISE APPLICABLE RULE?	TON FROM AN	) yes 🔘 no					
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT I EXEMPTION. PROVIDE A DETAILED EXPLANATION JU SUPPORTING DATA AND CALCULATIONS. ATTACH AI ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS	JSTIFYING THE EXEMPTION. INC ND LABEL AS EXHIBIT 220-3, OR F	LUDE DETAILED					
30) IS THE EMISSION UNIT IN COMPLIANCE WITH ALL AP	EINFORMATION	<del>, , , , , , , , , , , , , , , , , , , </del>					
REQUIREMENTS?	PLICABLE [	YES ONO					
IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/S COMPLYING EMISSION UNITS" MUST BE COMPLETED							
31) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO B	E, OR WAS PREVIOUSLY, DEMON	ISTRATED:					
Recordkeeping of PM/PM-10 emissions.							
PM emissions shall be calculated using the follow	ring emission factor and calcu	ılation methodology:					
PM Emission Factor: 0.029 lbs/ton							
PM-10 Emission Factor: 0.0064 lbs/ton PM = Throughout * Emission Factor * (1 - Control Efficiency)							
PM = Throughput * Emission Factor * (1 - Control	Efficiency)						
The emission factor is for SCC 3-05-025-03 from	the USEPA FIRE database a	and AP-42.					
32) EXPLANATION OF HOW ONGOING COMPLIANCE WILL	BE DEMONSTRATED:						
Recordkeeping of PM/PM-10 emissions.							
PM emissions shall be calculated using the following emission factor and calculation methodology:							
PM Emission Factor: 0.029 lbs/ton							
PM-10 Emission Factor: 0.0064 lbs/ton							
PM = Throughput * Emission Factor * (1 - Control Efficiency)  The emission factor is far SCC 3.05.03 from the USERA FIRE detabase and AR 43.							
The emission factor is for SCC 3-05-025-03 from the USEPA FIRE database and AP-42.							
Demonstration of ongoing compliance shall also i	nclude periodic inspection an	d maintenance of the					
conveyor system.							
TESTING, MONITORING, RECORDKEEPING AND REPORTING							
33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO							
DETERMINE FEES, RULE APPLICABILITY OR COMPL METHOD OF MEASUREMENT, AND THE FREQUENCY	IANCE. INCLUDE THE UNIT OF M	EASUREMENT, THE					
PARAMETER UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FREQUENCY					
sand thruput tons/mo; tons/yr	Citect	monthly; annual					
PM Emissions tons/mo; tons/yr	Calculation	monthly; annual					
PM10 Emission tons/mo; tons/yr	Calculation	monthly; annual					
· Marine and the second	Name and the same						

Page 5 of 10

RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF I NTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
sand thruput	Automated systm	Env. Coordinator	Plant Manager
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY D	PEMONSTRATED BY REVIEW OF	⊗ yes
d) ARE ALL RECORDS REAL SUBMITTAL TO THE AGE		ECTION, COPYING AND	
IF NO, EXPLAIN:			
5-73			
34a) DESCRIBE ANY MONITO COMPLIANCE:	ORS OR MONITORING ACTIV	VITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR
	system is installed, mali	ntained and operated for mon	itoring bag house
NIMHAT DADAMETED/SVIS	VARE) BEING MONITORED	(E.G., VOM EMISSIONS TO ATMOS	SDUEDENS
Pressure drop	was principolitical	E.O., VOM EMIGORORO TO ATMOS	n nederle
c) DESCRIBE THE LOCATIO	N OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	DM EXIT):
Baghouse			

34d) IS EACH MONI	TOR EQUIPPED W	ITH A RECORDING DEVICE?			O NO
IF NO, LIST ALL M	ONITORS WITHOU	JT A RECORDING DEVICE:		13 300 507	
AVIS EACH MONITO	R REVIEWED FOR	ACCURACY ON AT LEAST A C	UARTERI	Y 60 :	
BASIS?	1 % E School W Phone W W Southern A School Per			Y XES	U NO
IF NO, EXPLAIN:					
f) IS EACH MONITO	R OPERATED AT A	LL TIMES THE ASSOCIATED B	MISSION	UNIT IS YES	<u> </u>
IN OPERATION?				⊕ YES	U NO
IF NO, EXPLAIN:					
		OST RECENT TESTS, IF ANY,			
DATE, TEST MET	HOD USED, TESTII	ON OF FEES, RULE APPLICABI NG COMPANY, OPERATING C	NOITION	S EXISTING DURING TH	E TEST AND A
SUMMARY OF RE	ESULTS: IF ADDITI	ONAL SPACE IS NEEDED, ATT			4:
TEST DATE	TEST METHOD	TESTING COMPANY	OPERA*		OF RESULTS
		9-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
			<b></b>		
<u> </u>				: L	
		REMENTS AND PROVIDE THE	TITLE AND	FREQUENCY OF REPO	RT
SUBMITTALS TO		THE CACAGAST		FREQUENC	J
REPORTING RE		TITLE OF REPORT	sitene	FREQUENC	1
Notification of I	Jeviation)	Excess emissions,mor		As Required	
		equip downtime, and r	HSC.	A	
Annual Emission	ons Report	Illinois AER		Annual	

APPLICATION PAGE \_\_

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					1/10		からころころ ころうつきしつ					
			1 ACTUAL EMISSION RATE	1 ACTUAL EMISSION RATE 1 UNCONTROLLED EMISSION RATE	1		ALLOW,	ABLE BY	ALLOWABLE BY RULE EMISSION RATE	ON RATE	2PERMITTED EMISSION RATE	SSION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	SOTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> RATE	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM.		-					(				
MONOXIDE (CO)	TYPICAL							-				
LEAD	MAXINUM:											
	TYPICAL											
NITROGEN	MAXIMUM							•				
OXIDES (NOx)	TYPICAL							_				
PARTICULATE	MAXIMUM											
MATTER (PART)	TYPICAL							~				
PARTICULATE MATTER <= 10	MAXIMUM	SEE	BH5-010								SEE BH5-010	
MICROMETERS (PM10)	TYPICAL						-					
SULFUR	MAXIMUM.											
DIOXIDE (SO2)	TYPICAL											
VOLATILE	MAXIMUM											
MATERIAL (VOM)	TYPICAL											
OTHER, SPECIFY:	MAXIMUM							~				
	TYPICAL											
EXAMPLE: PARTICULATE	MAXINUM	5:00	27,9	0.3 GR/DSCF			60 (LBS/HR)	VHR)	212.327	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	4,00	4,4	0.24 0.24		Ŋ.	8.5 (LBS/HR)	HR)	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

1 CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS, SEE INSTRUCTIONS.
2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRIDSCF, ETC.).
4 DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP 42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS), 5 RATE - ALLOWABLE EMISSION RATE, SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		-	O 1ACTU	☐ 1actual emission Rate ☐ 1uncontrolled emission Rate	re Sion rate		ALLOWABLE BY RULE	OLE
NAME OF HAP EMITTED	2CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	4 <sub>DM</sub>	<sup>5</sup> RATE OR STANDARD	APPLICABLE
		MAXIMUM:						
		TYPICAL						en e
		MAXIMUM						
		TYPICAL	enceded to the first of the contract of the first of the					
		MAXIMUM						no de manoria
		TYPICAL						- annie
		MAXIMUM	www.jeneroskanishteide in Alippiji in kateman mywani pishiros					
		TYPICAL				:		Догу даруго станенно Ама
		MAXIMUM						
		TYPICAL					-	ranad i Siri beste ki
		MAXIMUM						
		TYPICAL						
		MAXIMUM						
		TVPICAL						200-200-200-200-200-200-200-200-200-200
		MAXIMUM						***************************************
		TYPICAL					-	-
EXAMPLE:		MAXIMUM	00			ςγ	98% by Wt control device	CFR 61
Benzene	71432	TYPICAL	c a	e ic		le c	leakthight trucks	64 202/hl /dl

1PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

2CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

3-PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR,DSCF, ETC.).

4-DAY DETERMINATION METHOD: 1) STACKTEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP-42 OR AIRS).

5-RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE. APPLICATION PAGE
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IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

	EXHAUST POIN	T INFORMATION	<i>l</i> ;"'''
THIS SECTION SHOULD NOT BE COMPLETED	) IF EMISSIONS ARE EX	CHAUSTED THROUGH A	AIR POLLUTION CONTROL EQUIPMENT.
39) FLOW DIAGRAM DESIGNATION OF	EXHAUST POINT:		
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C			ORS, ETC.). IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT BO	UNDARY FROM EXH	IAUST POINT DISCH	ARGE (FT):
42) DISCHARGE HEIGHT ABOVE GRAD	E(FT):		
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNC	DWN (FT):	
44) DIAMETER OF EXHAUST POINT (FT 1.128 TIMES THE SQUARE ROOT O		N CIRCULAR EXHAL	JST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACF	M):	b) TYPICAL (ACFM);
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERTICA 48) LIST ALL EMISSION UNITS AND CO			AUST POINT
NAME	**************************************		W DIAGRAM DESIGNATION
(a)			
(b):		he de de de la companya de la compa	en de la companya de
c)			
<b>d</b> )			
e)			
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READ	ILY AVAILABLE.	
49a) LATITUDE:	· · · · · · · · · · · · · · · · · · ·	b) LONGITUDE:	
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):

APPLICATION PAGE

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# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

	RAP	<u>PLIC</u>	ANT'	<u>s u</u>	<u>SE</u>
Revision Date:	on #: - 05	1	06	. /	10
Page	comiconolidos		of		
Source	Design	inati 26-2	on: 230		

PROC	ESS I	EMISS	NON	UNIT
DATA	AND	INFO	RMA	TION

FOR AGENCY USE ONLY
ID NUMBER:
EMISSION POINT#:
 DATE:

S	OURCE INFORMATION
SOURCE NAME:     Wedron Silica Company	
2) DATE FORM PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB
GE	ENERAL INFORMATION

GENERAL II	NFORMATION
4) NAME OF EMISSION UNIT: Belt Conveyor	
5) NAME OF PROCESS:	
Loading - Zone 06	
6) DESCRIPTION OF PROCESS:  Belt conveyor from bucket elevator (BE5-060) to	truck Inadout helt conveyor (BCS-240)
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	
Dried raw sand	to the trace of th
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	те катуры тайын тердүй кезаказында мамунан тайда байругарын үшке берекей керіней уттуу осын алынын тайын тай
BC6-230	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
UNKNOWN	
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):
UNKNOWN	UNKNOWN
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	07/2010 (planned)
	b) OPERATION (MONTH/YEAR):
	08/2010 (planned)
	c) LATEST MODIFICATION (MONTH/YEAR):
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	
Installation of a new belt conveyor.	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5, DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

		FC	OR APPLICANT'S USE
APPLICATION PAGE	New your control of the control of t	·	

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14) DOES THE EMISSION UNIT HA	VE MORE THAN ONE	MODE OF OPER	RATION?		) YES	s ⊗ NO		
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE PROCESS EMISSION UNIT FORM 220-CAAPP MUST BE COMPLETED FOR EACH MODE):								
15) PROVIDE THE NAME AND DES	IGNATION OF ALL AL	IR POLITION O	ONTROL E	OUIDMENT	CONTRO	IT ING THIS		
EMISSION UNIT, IF APPLICABL	E (FORM 260-CAAPF	AND THE APPR	OPRIATE 2	60-CAAPP A				
MUST BE COMPLETED FOR EA Particulate emissions are cont				MENT):				
Particulate emissions are cont	rolled by a bagillo	use (brib-010)	i.					
16) WILL EMISSIONS DURING STA	RTUP EXCEED EITH	ER THE ALLOWA	BLE EMIS	SION (	<b>1</b>	$\bigcirc$		
16) WILL EMISSIONS DURING STARTUP EXCEED EITHER THE ALLOWABLE EMISSION RATE PURSUANT TO A SPECIFIC RULE, OR THE ALLOWABLE EMISSION LIMIT AS ESTABLISHED BY AN EXISTING OR PROPOSED PERMIT CONDITION?								
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING :			OPERATE	WITH				
17) PROVIDE ANY LIMITATIONS OF STANDARDS (E.G., ONLY ONE	N SOURCE OPERATI UNIT IS OPERATED	ION AFFECTING AT A TIME):	EMISSION:	S OR ANY W	ORK PR	ACTICE		
NA								
		NG INFORMA						
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	RMATION, MATERIA	L USAGE INFOR	MATION A	ND FUEL US				
19a) MAXIMUM OPERATING HOUR		1	YS/WEEK:	***************************************	WEEKS	S/YEAR:		
8,760	24	24			:	52		
b) TYPICAL OPERATING HOURS		HOURS/DAY: DAYS/WI		VEEK: WE		EKS/YEAR:		
8,520						52		
20) ANNUAL THROUGHPUT	DEC-FEB(%)	er lasta barrata a		JUN-AUG(%	);	SEP-NOV(%):		
	25	25		25		25		
	MATERIAL II	SAGE INFORI	MATION					
	***************************************							
	MAXIMU	M RATES		TY	PICAL F	RATES		
21a) RAW MATERIALS	LBS/HR	TONS/YEAR		LBS/HR		TONS/YEAR		
Raw Sand	700,000	2,628,0	00	700,00	00	1,200,120		
The second secon								
					_			
	www.manifes	- Management						
		Commence to the commence of th						

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MAXIMUM RATES TYPICAL RATES							
AVEL DECENICES	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR			
21b) PRODUCTS	LDO/FIR	TONO/TEAR	LDO//IK	TONOTIEAN			
				:			
e.							
	-	Anne ann an Air an					
		terretorial de commentario de la Commentario del Commentario de la Commentario de la Commentario de la Commentario de la Commentario del Commentario de la C					
	:						
	MAXIML	IM RATES	TYPICA	NL RATES			
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR			
210) B1-FRODOCT MATERIALS	LOSPIIX	1000/1LAN	LDS/FIT	TONSTLAN			
				1:			
			:				
		USAGE DATA					
22a) MAXIMUM FIRING RATE b) TYPICAL FIRING RATE c) DESIGN CAPACITY FIRING (MILLION BTU/HR): RATE (MILLION BTU/HR):							
	• • • • • • • • • • • • • • • • • • • •	······································					
.11 pe 1 1 for 1 pe 1 pe .							
d) FUEL TYPE:  Onatural gas Ofuel oil: grade numberOcoal Oother							
IF MORE THAN ONE FUEL IS	USED, ATTACH AN I	EXPLANATION AND LAB	EL AS EXHIBIT 220-2.				
e) TYPICAL HEAT CONTENT OF BTU/GAL OR BTU/SCF):	FUEL (BTU/LB,	f) TYPICAL SULF GAS):	UR CONTENT (WT %	, NA FOR NATURAL			
Browne on Brown,		J. J					
g) TYPICAL ASH CONTENT (WT %., NA FOR NATURAL h) ANNUAL FUEL USAGE (SPECIFY UNITS, E.G., GAS): SCF/YEAR, GAL/YEAR, TON/YEAR):							
23) ARE COMBUSTION EMISSIONS DUCTED TO THE SAME STACK OR CONTROL AS PROCESS UNIT EMISSIONS?							
IF NO, IDENTIFY THE EXHAUST POINT FOR COMBUSTION EMISSIONS:							

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	IAC 212.321	PWR
ANY SPECIEIC BECODERED IN	II IVO: WALLOU ANT ADDI KARIT TO THE FIMEGOAN II	1.114
29) PROVIDE ANY SPECIFIC RECORDREEPING R. REGULATED AIR POLLUTANT(S)	ZB) PROVIDE ANY SPECIFIC RECORDREEPING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION OINT. REGULATED AIR POLLUTANT(S)	REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
26) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH REGULATED AIR POLLUTANT(S)	) WHICH ARE APPLICABLE TO THIS EMISSION UNIT: REPORTING RULE(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
7) PROVIDE ANY SPECIFIC MONITORING RULE((	27) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT; REGULATED AIR POLLUTANT(S) MONITORING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Periodic monitoring, inspection, maintenance & repair of the
		control device and sand handling process shall be
		performed to ensure that the system is operating properly
8) PROVIDE ANY SPECIFIC TESTING RULES ANI	28) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCEDURES WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	SEMISSION UNIT
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
РМ	IAC 201.282	Emissions testing w/in 90 days of IEPA written request
PM10/PM	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification

APPLICABLE RULES

24) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC, 218,204(j)(4), 3,5, LBS/GAL).

EMISSION STANDARD(S)

REGULATED AIR POLLUTANT(S)

PR

IAC 212,123

REQUIREMENT(8)

<= 30% opacity

29) DOES THE EMISSION U OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMP LE RULE?	TION FROM AN	O YES	Ø NO					
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.									
COMPLIANCE INFORMATION									
30) IS THE EMISSION UNIT IN COMPLIANCE WITH ALL APPLICABLE.									
REQUIREMENTS:									
IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE ADDENDUM FOR NON COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.									
31) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO BE, OR WAS PREVIOUSLY DEMONSTRATED:									
Recordkeeping of PM/PM-10 emissions.									
PM emissions shall be calculated using the following emission factor and calculation methodology:									
PM Emission Factor: 0	.029 lbs/ton								
PM-10 Emission Factor	r: 0.0064 lbs/ton								
PM = Throughput * Em	ission Factor * (1 - Contro	ol Efficiency)							
The emission factor is	for SCC 3-05-025-03 from	the USEPA FIRE data	abase and AP-42	!					
32) EXPLANATION OF HOW	ONGOING COMPLIANCE WIL	L BE DEMONSTRATED:							
Recordkeeping of PM/PM-10 emissions.  PM emissions shall be calculated using the following emission factor and calculation methodology:  PM Emission Factor: 0.029 lbs/ton									
PM-10 Emission Facto									
and the second of the second o	ission Factor * (1 - Contro	The second of th	B						
The emission factor is	or SCC 3-05-025-03 from	the USEPA FIRE data	ibase and AP-42	*					
Demonstration of ongoing compliance shall also include periodic inspection and maintenance of the									
conveyor system.									
TES	TING, MONITORING, RE	CORDKEEPING AND I	REPORTING						
33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):									
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREM	ENT. FRE	QUENCY					
sand thruput	tons/mo; tons/yr	Citect		/; annual					
PM Emissions	tons/mo; tons/yr	Calculation	monthly	/; annual					
PM10 Emission	tons/mo; tons/yr	Calculation	monthly	/; annual					

RECORDED PARAMET	ER INCLUDE THE METHOD (	ORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF NTACT FOR REVIEW OF RECORI	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
sand thruput	Automated systm	Env. Coordinator	Plant Manager
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager
		-	
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY DE	EMONSTRATED BY REVIEW OF	Ø YES □ NO
d) ARE ALL RECORDS REAI SUBMITTAL TO THE AGE IF NO, EXPLAIN:	DILY AVAILABLE FOR INSPE NCY UPON REQUEST?	CTION, COPYING AND	XYES ONO
COMPLIANCE:		ITIES USED TO DETERMINE FEE	
b) WHAT PARAMETER(S) IS Pressure drop	(ARE) BEING MONITORED (E	E.G., VOM EMISSIONS TO ATMOS	SPHERE)?
c) DESCRIBE THE LOCATIO Baghouse	N OF EACH MONITOR (E.G.,	IN STACK MONITOR 3 FEET FRO	DM EXIT):

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	A RECORDING DEVICE?	X YES NO
IF NO, LIST ALL MONITORS WITHOUT A	RECORDING DEVICE:	
e) IS EACH MONITOR REVIEWED FOR ACC BASIS?	URACY ON AT LEAST A QUARTER	RLY X YES ONO
IF NO, EXPLAIN:		
f) IS EACH MONITOR OPERATED AT ALL T	IMES THE ASSOCIATED EMISSION	NUNIT IS 🕢 🔘
IN OPERATION?		VUNIT IS YES NO
IF NO, EXPLAIN:		
35) PROVIDE INFORMATION ON THE MOST PURPOSES OF THE DETERMINATION O		
DATE, TEST METHOD USED, TESTING C	OMPANY, OPERATING CONDITIO	NS EXISTING DURING THE TEST AND A
SUMMARY OF RESULTS. IF ADDITIONA	L SPACE IS NEEDED, ATTACH AN	D LABEL AS EXHIBIT 220-4:
TEST DATE TEST METHOD		ATING ITIONS SUMMARY OF RESULTS
30 DESCRIBE ALL REPORTING RECURSEM	TRITO ARRESTRANTANTE THE TITLE X	IN EDEAUTION OF DEPART
36) DESCRIBE ALL REPORTING REQUIREMS SUBMITTALS TO THE AGENCY:	EN 19 AND EKOVIDE THE TITE AT	ID FREQUENCY OF REPORT
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of Deviation	Excess emissions,monitrng,	As Required
	equip downtime, and misc.	
	sequence securities of the time.	
Annual Emissions Report	Illinois AER	Annual

					(37)E	MISSIM!	(37) EMISSION INFORMATION				
		رب يت	1 ACTUAL EMISSION	O 1 ACTUAL EMISSION RATE O 1 UNCONTROLLED EMISSION RATE	IRATE		ALLOWABLE BY RULE EMISSION RATE	Y RULE EMISS	ION RATE	<sup>2</sup> PERMITTED EMISSION RATE	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	3OTHER TERMS	4pm	SRATE (UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM						*				
MONOXIDE (CO)	TYPICAL										
LEAD	MAXIMUM:						÷		-		
	TYPICAL						(				
NITROGEN	MAXIMUM										
OXIDES (NOx)	TYPICAL						9				
PARTICULATE	MAXIMUM										
MATTER (PART)	TYPICAL										
PARTICULATE MATTER <= 10	MAXIMUM	SEE	BH5-010							SEE BH5-010	
MICROMETERS (PM10)	TYPICAL:									1.0 1.0 1.0 1.0	6 - H
SULFUR	MAXIMUM						( )				
DIOXIDE (SO2)	TYPICAL										
VOLATILE ORGANIC	MAXIMUM:										
MATERIAL (VOM)	TYPICAL										
OTHER, SPECIFY:	MAXIMUM						( )				
	TYPICAL										
EXAMPLE: PARTICULATE	MAXIMUM:	5.00	27.9	9.3 GR/DSCF			6.0 (LBS/HR)	212,321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	4.00	14.4	0.24 GR/DSCF			5.5 (LBS/HR)	212.321	19,80		
		A									

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

1 CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS, SEE INSTRUCTIONS.

PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSOF, ETC.)

4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)

FRATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		:	O 1 ACTUA	O 1uccual emission rate O 1uncontrolled emission rate	TE SSION RATE		ALLOWABLE BY RULE	2 3
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	3OTHER TERMS	₩O.	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM						
		TYPICAL						
		MAX(MUM:						
		TYPICAL						
		MAXIMUM:	po porte de communicación de companya de c					
	-	TYPICAL						
		MAXIMUM:		entranscriptore de la composição de la c				
		TYPICAL					ad a	
		MAXIMUM						
		TVPICAL		openentaria de mando por para esta de para de para esta de porte de para de para de para de para de para de pa				
incentional temporal possession de la communitate de combandos		MAXIMUM						
		TYPICAL	generación mande mande que primita de mande que contrata de mande de desta de contrata de desta de contrata de	des promotions des services des services de la companya del la companya de la com				
		MACKIMUM.						
		TYPICAL						
		MAXIMUM						
		TYPICAL:						
EXAMPLE		MAXIMUMI	0.07	8		2	98% by wt control device	CFR 61
Benzene	71432	TYPICAL	8.0	80		2	leak-tight trucks	61.302(b),(d)

PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

2CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GROSCF, ETC.).

4DH - DETERMINATION METHOD: 1) STREADLE BALANCE. 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

5RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE. Printed on Recycled Paper 220-CAAPP APPLICATION PAGE

	EXHAUST POINT	INFORMATION	
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EXH	USTED THROUGH A	AIR POLLUTION CONTROL EQUIPMENT.
39) FLOW DIAGRAM DESIGNATION OF	EXHAUST POINT:		
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C			RS, ETC.). IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT BOI	JNDARY FROM EXHAI	JST POINT DISCH	ARGE (FT):
42) DISCHARGE HEIGHT ABOVE GRADI	E (FT):		
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNOW	N (FT):	
44) DIAMETER OF EXHAUST POINT (FT) 1.128 TIMES THE SQUARE ROOT OF		CIRCULAR EXHAL	JST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM)		b) TYPICAL (ACFM):
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWNWA	ARD):	
48) LIST ALL EMISSION UNITS AND COM	NTROL DEVICES SERV	ED BY THIS EXH	AUST POINT:
NAME		FLO	W DIAGRAM DESIGNATION
(a)			
b)			
(2)			
d)			
0)			
THE FOLLOWING INFORMATION NEED ONLY 49a) LATITUDE:		AVAILABLE.  b) LONGITUDE:	· · · · · · · · · · · · · · · · · · ·
The street of th		, , , , , , , , , , , , , , , , , , , ,	
50) UTM ZONE:	b) UTM VERTICAL (K	M):	c) UTM HORIZONTAL (KM):



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FO	RAPE	<u> LIC</u>	ANT'	<u>s u</u>	<u>SE</u>
Revisio	n #:				
Date:	05	1	06	$I_{-}$	10
Page _			_ of		
Source	Design	inat 26-2	ion: 240		<u>;</u>

	FOR AGENCY USE ONLY
PROCESS EMISSION UNIT	ID NUMBER: EMISSION POINT #:
	DATE:

	DATE:
	DNIE
SOURCE II	PODMATION
	FORMATION
1) SOURCE NAME: Wedron Silica Company	
2) DATE FORM PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB
GENERAL II	NFORMATION
4) NAME OF EMISSION UNIT: Belt Conveyor	
5) NAME OF PROCESS:	
Loading - Zone 06	
6) DESCRIPTION OF PROCESS:	
Belt conveyor from belt conveyor (BC6-230) to to	ruck loadout spout (LS6-070)
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:
Dried raw sand	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
BC6-240	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
UNKNOWN	
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):
UNKNOWN	UNKNOWN
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	07/2010 (planned)
OF THIS EMISSION ONLY (ACTUAL OR PLANNED)	b) OPERATION (MONTH/YEAR)
	08/2010 (planned)
	c) LATEST MODIFICATION (MONTH/YEAR):
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES. 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PA	GE
Printed on Recyc	led Paner

FOR APPLICANT'S USE

Printed on Recycled Paper 220-CAAPP

		The state of the s		
14) DOES THE EMISSION UNIT HA	VE MORE THAN ONE	MODE OF OPERATION	N? (	⊃yes ⊗ no
IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):				
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA	E (FORM 260-CAAPP	AND THE APPROPRIA	TE 260-CAAPP A	
Particulate emissions are cont	rolled by a baghοι	use (BH5-010)		
16) WILL EMISSIONS DURING STA				) yes ⊗ NO
RATE PURSUANT TO A SPECIF ESTABLISHED BY AN EXISTING			LIMIT AS	
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURINGS			ATE WITH	
17) PROVIDE ANY LIMITATIONS OF			IONS OR ANY W	ORK PRACTICE
STANDARDS (E.G., ONLY ONE NA	UNIT IS OPERATED	ATA TIME):		
N.X.				
2				-
TO ATTACK THE ON OUR ATIONS		IG INFORMATION		
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	RMATION, MATERIAL	L USAGE INFORMATIO	N AND FUEL US	
19a) MAXIMUM OPERATING HOUR	S HOURS/DAY:	DAYS/WE	EK:	WEEKS/YEAR:
8,760	24	:	7	52
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYS/WE	EK:	WEEKS/YEAR:
8,520	24		7	52
20) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(%)	SEP-NOV(%):
	25	25	25	25
	MATERIAL US	SAGE INFORMATION	ON	
	MAXIMUN	/ RATES	TY	PICAL RATES
21a) RAW MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
Raw Sand	700,000	2,628,000	700,00	00 1,200,120
and the second s		Management of the second of th		
	and the second s			

Page 2 of 10

	MAXIMU	UM RATES	TYPICA	AL RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
4.07.1.1700.0010	Production of a second	Part See 1 See 1813	In Ref Service 1. FF 'S	1 3/2 5 may 1 may 1/2 .
			:	<del></del>
kanalisannan galina sisisina ilia kana amananda voordinta voordilla voordill				e de la composition della comp
ikoo ka maana midaalaanaa aa aa ahiidaanaa aa aa aa aa aa ah ah aa ah ah ah ah a			34-44-44-44-44-44-44-44-44-44-44-44-44-4	According to the second
.e	MAYIMI	JM RATES	TVDIC	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
	-			
	ici		-	
	FUEL	USAGE DATA	ATTENDED TO THE STATE OF THE ST	
22a) MAXIMUM FIRING RATE	b) TYPICAL F	FIRING RATE	c) DESIGN CAPAC	
(MILLION BTU/HR):	(MILLION	BTU/HR):	RATE (MILLION	BTU/HR):
d) FUEL TYPE:		4		
ONATURAL GAS OFU	EL OIL: GRADE NUM	MBEROc	OAL OOTHER_	·
IF MORE THAN ONE FUEL IS				
e) TYPICAL HEAT CONTENT OF	FUEL (BTU/LB,	f) TYPICAL SULI	FUR CONTENT (WT %	NA FOR NATURAL
BTU/GAL OR BTU/SCF):	A STATE OF THE PARTY OF THE PAR	GAS):	A TOP A TO TO RECEIVE A LOCAL CONTRACTOR	Maria Triba da Karrada da la c
g) TYPICAL ASH CONTENT (WI	%, NA FOR NATUR		EL USAGE (SPECIFY U	
GAS):		SCF/YEAR, G	SALYEAR, TONYEAR	E
23) ARE COMBUSTION EMISSION	IS DUCTED TO THE	SAME STACK OR CON	TROL AS	
PROCESS UNIT EMISSIONS?			Manager v. e.	JYES UNO
IF NO, IDENTIFY THE EXHAUS	ST POINT FOR COM	BUSTION EMISSIONS:		

page 4 of 10

REGULATED AIR POLLUTANT(S)	24) PROVIDE ANY SPECIFIC EMISSION STANDARD(S), AND LIMITATION(S) SET BY ROLE(S) WHICH ARE APPLICABLE TO THIS EMISSION ONLI (E.G., VOW, MC 218.204()(4), 3.5 LBS/GAC).  REGULATED AIR POLLUTANT(S)	REQUIREMENT(S)
WA	IAC 212.123	<= 30% opacity
	IAC 212.321	PWR
25) PROVIDE ANY SPECIFIC RECORDKEEPING RULE(S) WHIC	HAR	
REGULATED AIR POLITIANT(S)	RECORDKEEPING RULE(S)	Doctored of sound throughout DAMDAMA comissions
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
) PROVIDE ANY SPECIFIC REPORTING RULE	26) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
27) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH AR	E(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Periodic monitoring, inspection, maintenance & repair of the
		control device and sand handling process shall be
		performed to ensure that the system is operating properly
28) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCE	ND/OR PROCEDURES WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	S EMISSION UNIT:
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
PM	IAC 201.282	Emissions testing w/in 90 days of IEPA written request
PM10/PM	IAC 212,108/110	PM/Opacity/VE testing upon IEPA written notification

<ol><li>DOES THE EMISSION U OTHERWISE APPLICATE</li></ol>	JNIT QUALIFY FOR AN EXEMP BLE RULE?	TION FROM AN	O YES 🛇 NO
EXEMPTION. PROVIDE SUPPORTING DATA AN	A DETAILED EXPLANATION J	IS EXEMPT AND THE RULE WHI USTIFYING THE EXEMPTION. IN IND LABEL AS EXHIBIT 220-3, OF S EXEMPTION.	ICLUDE DETAILED
	COMPLIANC	T INFORMATION	
M IS THE EMISSION UNIT	IN COMPLIANCE WITH ALL AF	E INFORMATION	8 0
REQUIREMENTS?	THE COMMENTANCE AND TAKE WE	FLIOABLE	∀ES
		SCHEDULE OF COMPLIANCE — A D AND SUBMITTED WITH THIS A	
1) EXPLANATION OF HOV	VINITIAL COMPLIANCE IS TO I	BE, OR WAS PREVIOUSLY, DEM	ONSTRATED:
Recordkeeping of PM/	PM-10 emissions.		
PM emissions shall be	calculated using the follow	ving emission factor and cal	culation methodology:
PM Emission Factor: (	0.029 lbs/ton		
PM-10 Emission Facto			
PM = Throughput * En	nission Factor * (1 - Contro	d Efficiency)	
The emission factor is	for SCC 3-05-025-03 from	the USEPA FIRE database	and AP-42.
2) EXPLANATION OF HOV	V ONGOING COMPLIANCE WIL	L BE DEMONSTRATED:	
Recordkeeping of PM/	PM-10 emissions.		
PM emissions shall be	calculated using the follow	ving emission factor and cal	culation methodology:
PM Emission Factor: 0			
PM-10 Emission Facto		g proviping in	
	hission Factor * (1 - Contro		and are ab
i ne emission factor is	TOT SCC 3-U2-U25-U3 Trom	the USEPA FIRE database	and AP-42,
Demonstration of ongo conveyor system.	oing compliance shall also	include periodic inspection a	and maintenance of the
***************************************			
	OPPORTUNITION OF THE PROPERTY	CORDKEEPING AND REPO SIONS FOR WHICH RECORDS A	
DETERMINE FEES, RU	JLE APPLICABILITY OR COMPL	JANCE. INCLUDE THE UNIT OF Y OF SUCH RECORDS (E.G., HO	MEASUREMENT, THE
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FREQUENCY
sand thruput	tons/mo; tons/yr	Citect	monthly; annual
PM Emissions	tons/mo; tons/yr	Calculation	monthly, annual
PM10 Emission	tons/mo; tons/yr	Calculation	monthly; annual
l			

Sand thruput PM Emissions PM10 Emission Spreadsheet Sp	PARAMETER	METHOD OF RECORDICEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
PM10 Emission Spreadsheet Env. Coordinator Plant Manager  IS COMPLIANCE OF THE EMISSION UNIT READILY DEMONSTRATED BY REVIEW OF THE RECORDS?  IF NO, EXPLAIN:  ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:  DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE:				
PM10 Emission  Spreadsheet  Env. Coordinator  Plant Manager  IS COMPLIANCE OF THE EMISSION UNIT READILY DEMONSTRATED BY REVIEW OF  YES  YES  YES  YES  YES  YES  YES  YE			Env. Coordinator	
IS COMPLIANCE OF THE EMISSION UNIT READILY DEMONSTRATED BY REVIEW OF THE RECORDS?  IF NO, EXPLAIN:  PARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:  DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE: CONFILIANCE: CONTINUOUS monitoring system is installed, maintained and operated for monitoring bag house assure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)? BESSURE drop  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	PM10 Emission	Spreadsheet	Env. Coordinator	
THE RECORDS?  IF NO, EXPLAIN:  ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:  DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE: COMPLIANCE: Continuous monitoring system is installed, maintained and operated for monitoring bag house assure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
THE RECORDS?  JENO, EXPLAIN:  ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST?  JENO, EXPLAIN:  A) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE:  CONTINUOUS monitoring system is installed, maintained and operated for monitoring bag house essure drop.  JUNION PROPERTY OF EACH MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  JUNION PROPERTY OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):			**************************************	
JARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:  B) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE: continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)? essure drop				
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ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND  SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:  DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE: CONTINUOUS monitoring system is installed, maintained and operated for monitoring bag house essure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)? DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	TILL TILOUTION			
IF NO, EXPLAIN:  I) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  RESSURE drop  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	IF NO, EXPLAIN:			
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JESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE: continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)? essure drop  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):			ECTION, COPYING AND	X YES ON
a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE: continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)? essure drop  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	SUBMITTAL TO THE AGE	ENCY UPON REQUEST?		O IES O N
a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY COMPLIANCE: continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)? essure drop  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	The state of the s			
COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	IF NO, EXPLAIN:			
COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)? ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
COMPLIANCE:  continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  ressure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
continuous monitoring system is installed, maintained and operated for monitoring bag house essure drop.  WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  The essure drop  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):		ORS OR MONITORING ACTIV	VITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY C
essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  Pessure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	COMPLIANCE:			
essure drop.  ) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  Pessure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	continuous monitorina	system is installed, mair	ntained and operated for mon	itoring bag house
) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  PESSURE drop  DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	7:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	essure arop.		***	
DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  Tessure drop  ) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):  aghouse				
DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):				
) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	) WHAT PARAMETER(S) IS	S(ARE) BEING MONITORED (	E.G., VOM EMISSIONS TO ATMOS	SPHERE)?
) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR 3 FEET FROM EXIT):	77			. The state of the
	essure drop			
aghouse	DESCRIBE THE LOCATION	ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	OM EXIT):
		ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	DM EXIT):
		ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	OM EXIT):
		ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	OM EXIT);
		ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	DM EXIT):
		ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	DM EXIT):
		ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	DM EXIT):

34d) IS EACH MONITOR EQUIPPED WIT	H A RECORDING DEVICE?	YES O NO
IF NO. LIST ALL MONITORS WITHOUT	FA RECORDING DEVICE:	- 120 - NO
	The second of th	
e) IS EACH MONITOR REVIEWED FOR A	COURACY ON AT LEAST A QUARTER	
BASIS?	COORACT ON AT LEAST A GOARTER	YES U NO
IF NO, EXPLAIN:		
-		
f) IS EACH MONITOR OPERATED AT AL IN OPERATION?	L TIMES THE ASSOCIATED EMISSION	UNIT IS YES ONO
IF NO, EXPLAIN:		
HENO/EXECUTIVE		
35) PROVIDE INFORMATION ON THE MO	ST RECENT TESTS, IF ANY, IN WHICH NOF FEES, RULE APPLICABILITY OR (	
DATE, TEST METHOD USED, TESTIN	G COMPANY, OPERATING CONDITION	IS EXISTING DURING THE TEST AND A
SUMMARY OF RESULTS. IF ADDITION	NAL SPACE IS NEEDED, ATTACH AND	LABEL AS EXHIBIT 220-4:
TEST DATE TEST METHOD	TESTING COMPANY CONDI	
36) DESCRIBE ALL REPORTING REQUIR	EMENTS AND PROVIDE THE TITLE AN	D FREQUENCY OF REPORT
SUBMITTALS TO THE AGENCY:		
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of Deviation	Excess emissions,monitrng,	As Required
	equip downtime, and misc.	
		American
Annual Emissions Report	Illinois AER	Annual

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					3//5	こうつつに	ペン世紀のからと アナウオピカーウマ	~				
			O 1 ACTUAL EMISSION RATE O 1 UNCONTROLLED EMISSIC	MISSION RATE	l		ALLOWA	BLE BY I	ALLOWABLE BY RULE EMISSION RATE	ON RATE	PERMITTED EMISSION RATE	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	MQ*	SRATE (L	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM.							_				
MONOXIDE (CO)	TYPICAL							(			7 2	
LEAD	MAXIMUM:							~				
	TYPICAL											
NITROGEN	MAXIMUM:											
OXIDES (NOx)	TYPICAL											
PARTICULATE	MAXSMUM							^				
MATTER (PART)	TYPICAL							~				
PARTICULATE MATTER <= 10	MAXIMUM	SEE	BH5-010					^			SEE BH5-010	
MICROMETERS (PM10)	TYPICAL:							*				
SULFUR	MAXIMUM							1				
DIOXIDE (SO2)	TYPICAL											
VOLATILE	MAXIMUM							_				
MATERIAL (VOM)	TYPICAL						)	-				
OTHER, SPECIFY:	MAXIMUM							_				
	TYPIÇAL											
EXAMPLE: PARTICULATE	MAXIMUM	5.00	21.9	0.3 GR/DSCF			6.0 (LBS/HR)	(A)	212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	4.00	14.4	0.24 GRASCE		4	5.5 (LBS/HR)	íð,	212,321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

10HECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERMISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.
2PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSCF, ETC.).
4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS),
5RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

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	The second secon	a managadada ana aramana ay mandahana ay aka aka aka				The state of the s		
CONTRACTOR OF THE PROPERTY OF	:		O 1ACTU	☐ 1ACTUAL EMISSION RATE ☐ 1UNCONTROLLED EMISSION RATE	TE SION RATE		ALLOWABLE BY RULE	<b>N</b> I
NAME OF HAP EMITTED	2CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	4DM	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM				=		
14101LCEA666		TYPICAL:						
		MAXIMUM	responses on deficioles into the standard sector. Sent described					
		TYPICAL						
		MAXIMUM						
		TYPICAL						
		MAXIMUM						
		TYPICAL						
		MAXIMUM	ensole in a september open and a september of the septemb	and a second				
- - - - -		TYPICAL						
		MAXIMUM						
		TYPICAL						
		MAXIMUM.						
uomasiaumie		TYPICAL:	e de la companya de l		und destruiste en entruite en entruite en entruite en entruite en entruite en entre			
		MAXIMUM	SECRETARION POR PORT POR PRINCIPAL SECRETARION SECURIOR S					
		TYPICAL						
EXAMPLE:		MAXIMUBA				63	98% by wt control pevice	CFR 61
Benzene	71432	TYPICAL	8.0	80		O)	leak-tight trucks	61.302(b),(d)

1PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

\*\*CAS.-CHEMICAL ABSTRACT SERVICE NUMBER.

\*\*PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRUDSCF, ETC.).

\*\*PLEASE PROVIDE ANY OTHER REMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC MATE A SPECIFIC (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

\*\*FRATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	EXHAUST POIN	T INFORMATION	
THIS SECTION SHOULD NOT BE COMPLETE	D IF EMISSIONS ARE EX	HAUSTED THROUGH	AIR POLLUTION CONTROL EQUIPMENT.
39) FLOW DIAGRAM DESIGNATION OF	EXHAUST POINT:		
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT O			ORS, ETC.). IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT BO	UNDARY FROM EXH	IAUST POINT DISCH	ARGE (FT):
42) DISCHARGE HEIGHT ABOVE GRAD	E (FT):	ar ann an Air an Air ann an Air a	
43) GOOD ENGINEERING PRACTICE (C	BEP) HEIGHT, IF KNC	WN (FT):	
44) DIAMETER OF EXHAUST POINT (FT 1.128 TIMES THE SQUARE ROOT C	): NOTE: FOR A NO F THE AREA.	N CIRCULAR EXHAL	JST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACF	M):	b) TYPICAL (ACFM):
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWN	WARD):	
48) LIST ALL EMISSION UNITS AND CO	NTROL DEVICES SE	RVED BY THIS EXH	AUST POINT:
NAME	. N. data in m	FLO	W DIAGRAM DESIGNATION
a)			
b)			9,000,000,000,000,000,000,000,000,000,0
(c)	··		
(d)			
(e)			
THE FOLLOWING INFORMATION NEED ONLY 49a) LATITUDE:	BE SUPPLIED IF READ	b) LONGITUDE:	
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):
	1		



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

<u>F0</u>	R APPL	ICANT	's u	SE	
Revisio	n #:				
Date:	_05/	06	_1	10	_
Page		of	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Source	Designa SB6	ation: 3-200			

# PROCESS EMISSION UNIT

	FOR	AGE	NCYL	ISE O	NLY			a II.
ID NUMBER:						SPRONES CON	· · · · · · · · · · · · · · · · · · ·	
EMISSION P	OINT#:		<u>i</u>	**********	and the second		issandalilahiissa i	-intotektv-siègé
1								
DATE:					***************************************	imatananii:	· · · · · · · · · · · · · · · · · · ·	annoista
		.52						

	SOURCE INFORMATION	
SOURCE NAME:     Wedron Silica Company		
2) DATE FORM PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB	-
	ENERAL INFORMATION	_
4) NAME OF EMISSION UNIT: Storage Bin		-

5) NAME OF PROCESS: Loading - Zone 06 6) DESCRIPTION OF PROCESS: Storage bin (30 ton storage capacity) for truck loadout spout (LS6-070) 7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR ACTIVITY ACCOMPLISHED: Dried raw sand 8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT: SB6-200 9) MANUFACTURER OF EMISSION UNIT (IF KNOWN): UNKNOWN 10) MODEL NUMBER (IF KNOWN): 11) SERIAL NUMBER (IF KNOWN): UNKNOWN UNKNOWN 12) DATES OF COMMENCING CONSTRUCTION, a) CONSTRUCTION (MONTH/YEAR): OPERATION AND/OR MOST RECENT MODIFICATION 07/2010 (planned) OF THIS EMISSION UNIT (ACTUAL OR PLANNED) b) OPERATION (MONTH/YEAR): 08/2010 (planned) c) LATEST MODIFICATION (MONTH/YEAR): 13) DESCRIPTION OF MODIFICATION (IF APPLICABLE): Installation of a new storage bin.

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE	
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FOR APPLICANT'S USE

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14) DOES THE EMISSION UNIT HA IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):	Y WHICH MODE IS C	OVERED BY T	HIS FORM (		U YES	; <b>(X)</b> NO
15) PROVIDE THE NAME AND DES	IGNATION OF ALL AI	R POLLUTION	CONTROL	EQUIPMENT	CONTRO	LLING THIS
EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA					ADDEND	UM FORM
Particulate emissions are cont						
		7-				7 HT
ACCUMUL PUROLONO DUDINO OTA	DTIID EVOCED CITI	Entry and the A bill rook	Alara E Pass	MON		
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECIF ESTABLISHED BY AN EXISTING	FIC RULE, OR THE A	LLOWABLE EN	IISSION LIM		U YES	s 🛇 no
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING			FO OPERAT	EWITH		
17) PROVIDE ANY LIMITATIONS OF STANDARDS (E.G., ONLY ONE NA			G EMISSION	IS OR ANY V	VORK PR	ACTICE
18) ATTACH THE CALCULATIONS.		NG INFORM		LATER FROM	MA MANUAL	1700
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBIT	RMATION, MATERIA	L USAGE INFO	RMATION A	ND FUEL US	AGE DA	
19a) MAXIMUM OPERATING HOUR	S HOURS/DAY	<u>.</u>	DAYSMEEK		WEEKS	S/YEAR:
8,760	24		7			52
b) TYPICAL OPERATING HOURS		11	DAYSMEEK		WEEKS	S/YEAR:
8,520	24		7			52
20) ANNUAL THROUGHPUT	DEC-FEB(%):	1.	IAY(%): 25	JUN-AUG(% 25	1):	SEP-NOV(%):
	MATERIAL U	SAGE INFO	RMATION			
	2 2 A 7 / 18 W 1 2	A DATES		The same of the sa	/DIO.11 =	A A reporter A
	MAXIMUI				YPICAL F	
21a) RAW MATERIALS	LBS/HR	TONS/YE	——————————————————————————————————————	LBS/HR		TONS/YEAR
Raw Sand	700,000	2,628	000	350,0	00	600,060
				والمراجعة		
	day.					
	ana mana			a yangan arau ara		
				, , , , , , , , , , , , , , , , , , ,		
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	MAXIMU	JM RATES	TYPICA	AL RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
	MAXIMI	JM RATES	TYPICA	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
	EIIEI	USAGE DATA		
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL I	FIRING RATE BTU/HR):	c) DESIGN CAPAC RATE (MILLION	
d) FUEL TYPE:  ONATURAL GAS  FUEL IS IN MORE THAN ONE FUEL IS IN				
e) TYPICAL HEAT CONTENT OF BTU/GAL OR BTU/SCF):	FUEL (BTU/LB,	f) TYPICAL SULI GAS):	FUR CONTENT (WT %	., NA FOR NATURAL
g) TYPICAL ASH CONTENT (WT GAS):	%., NA FOR NATU		EL USAGE (SPECIFY I BALYEAR, TONYEAR	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROLAS C	YES ONC
IF NO, IDENTIFY THE EXHAUS	ST POINT FOR COM	BUSTION EMISSIONS:		

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	29) DOES THE EMISSION UNIT QUALIFY FOR AN EXEMPTION FROM AN OTHERWISE APPLICABLE RULE?	YES NO					
	IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AN EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING TH SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION	IE EXEMPTION. INCLUDE DETAILED EXHIBIT 220-3, OR REFER TO OTHER					
	COMPLIANCE INFORM	TION					
	COMPLIANCE INFORMA 30) IS THE EMISSION UNIT IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS?	YES O NO					
<del>-</del> 40.30 11 11 11 11 11 11 11 11 11 11 11 11 11	IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMIT	COMPLIANCE - ADDENDUM FOR NON TTED WITH THIS APPLICATION.					
	31) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO BE, OR WAS P	REVIOUSLY, DEMONSTRATED:					
	Recordkeeping of PM/PM-10 emissions.  PM emissions shall be calculated using the following emission factor and calculation methodology:						
	PM/PM-10 Emission Factor: 0.013 lbs/ton (uncontrolled; calculated based on assumed 90% control efficiency) PM/PM-10 = Throughput * Emission Factor * (1 - Control Efficiency)						
	FIRE database and AP-42.						
32) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:							
	Recordkeeping of PM/PM-10 emissions.  PM emissions shall be calculated using the following emissio PM/PM-10 Emission Factor: 0.013 lbs/ton (uncontrolled; calculated using the following emission PM/PM-10 Emission Factor: 0.013 lbs/ton (uncontrolled; calculated efficiency)  PM/PM-10 = Throughput * Emission Factor * (1 - Control Efficiency)  The emission factor is for SCC 3-05-027-60 from the USEPA	ulated based on assumed 90% control ciency)					
	Demonstration of ongoing compliance shall also include periodic inspection and maintenance of the conveyor system.						
	TEATING HOWTOPING DECOROVEED	ALO ALES DESORTIAS					
	TESTING, MONITORING, RECORDKEEP.  33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR W						
	DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE, INCLUMENTHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RI						
	PARAMETER UNIT OF MEASUREMENT METHOD O	FMEASUREMENT FREQUENCY					
	sand thruput tons/mo; tons/yr Citect	monthly; annual					
	PM Emissions tons/mo; tons/yr Calculati	on monthly; annual					
	PM10 Emission tons/mo; tons/yr Calculati	on monthly; annual					
		. have a second and a second an					

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RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF I NTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDICEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
sand thruput	Automated systm	Env. Coordinator	Plant Manager
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager
		:	
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF	Ø YES □ NO
d) ARE ALL RECORDS REA SUBMITTAL TO THE AGE IF NO, EXPLAIN:	DILY AVAILABLE FOR INSPE NCY UPON REQUEST?	ECTION, COPYING AND	Ø YES □ NO
COMPLIANCE:		VITIES USED TO DETERMINE FEE	
b) WHAT PARAMETER(S) IS Pressure drop	(ARE) BEING MONITORED (	E.G., VOM EMISSIONS TO ATMOS	SPHERE)?
c) DESCRIBE THE LOCATION Baghouse	N OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	OM EXIT).

34d) IS EACH MONITOR EQUIPPED WIT	H A RECORDING DEVICE?	⊗ yes O no.
IF NO, LIST ALL MONITORS WITHOUT	A RECORDING DEVICE:	.C 125 C No.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
e) IS EACH MONITOR REVIEWED FOR A BASIS?	CCURACY ON AT LEAST A QUARTERL	Y YES NO
PENO EVELAINE		
IF NO, EXPLAIN:		
f) IS EACH MONITOR OPERATED AT AL	L TIMES THE ASSOCIATED EMISSION (	JNIT IS YES ONO
IN OPERATION?		, angulari ( ) and the angulari ( ) angulari ( ) and the angulari ( ) angular
IF NO, EXPLAIN:	X.	
35) PROVIDE INFORMATION ON THE MO	ST RECENT TESTS, IF ANY, IN WHICH	THE RESULTS ARE USED FOR
PURPOSES OF THE DETERMINATION	OF FEES, RULE APPLICABILITY OR C	OMPLIANCE. INCLUDE THE TEST
	G COMPANY, OPERATING CONDITIONS NAL SPACE IS NEEDED, ATTACH AND I	
	OPERA)	*NG
TEST DATE TEST METHOD	TESTING COMPANY CONDIT	
	<u> </u>	
36) DESCRIBE ALL REPORTING REQUIRE	EMENTS AND PROVIDE THE TITLE AND	FREQUENCY OF REPORT
SUBMITTALS TO THE AGENCY:		V. 7
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of Deviation	Excess emissions,monitrng,	As Required
	equip downtime, and misc.	
Annual Emissions Report	Illinois AER	Annual
Author Emissions Ixepore	HATTOS ETLLY	I THE THE PROPERTY OF THE PROP

					3//6	MISSICIA	(31) EMISSION INFORMATION	2				
			TACTUAL EMISSION	U 'ACTUAL EMISSION RATE UNCONTROLLED EMISSION RATE	IRATE		ALLOWAI	BLE BY F	ALLOWABLE BY RULE EMISSION RATE	ON RATE	PERMITTED EMISSION RATE	SION RATE
REGULATED AIR POLLUTANT	ñ.	LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	Φ DM	<sup>5</sup> RATE (UI	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM	-										
MONOXIDE (CO)	TYPICAL:						Ý	~			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
LEAD	MAXIMUM						·	_			7	
	TYPICAL						-					
NITROGEN	MAXIMUM							~	-			
OXIDES (NOx)	TYPICAL							_			100 miles	
PARTICULATE	MAXIMUM											
MATTER (PART)	) TYPICAL:											
PARTICULATE MATTER <= 10	MAXIMUM	SEE	BH6-010					~			SEE BMS-010	
MICROMETERS (PM10)	TYPICAL						Ų.	^			# 10 mm	
SULFUR	MAXIMUM							•				
DIOXIDE (SO2)	TYPICAL											
VOLATILE	MAXIMUM											
MATERIAL (VOM)	TYPICAL:							_				7
OTHER, SPECIFY:	MAXIMUM							^				
	TYPICAL						•					The state of the s
EXAMPLE: PARTICULATE	MAXIMUM	5.00	21.9	9.3 GR/DSCF			6.0 (LBS/H/R)	-R)	212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	400	4, <u>4</u> ,	0.24 GR/DSCF		7	5.5 (LBS/HR)	Ŷ	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

1 CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS. PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

3 PREASE PROVIDE ANY OTHER EMISSION RATE COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRIDSCF, ETC.).

3 PART OF ARMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) TARDRADE EMISSION FACTOR (NOT AP-42 OR AIRS). 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

5 RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	:	36	(38) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION	AIR FOLLUIAN	I EMISSION IN	T WILL OL			
		anisance and a section of the sectio	O 1ACTU	☐ 1ACTUAL EMISSION RATE ☐ 1UNCONTROLLED EMISSION RATE	TE SION RATE			ALLOWABLE BY RULE	tu
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	4 <sub>DM</sub>		<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMILIM	desaurantes de la companya del companya del companya de la companya del la companya de la compan		au) yazayyana		<u> </u>		
194 August 200		TYPICAL							
		MAXIMUM					<u> </u>		
evicion man		TYPICAL					- wawe		
		MAXIMUMS					<u> </u>		
		TYPICAL						:	
		MAXIMUM					<u> </u>		
-		TYPICAL							
		MAXIMUM							
-	· · · · · · · · · · · · · · · · · · ·	TYPICAL	men de de la companya de la company					-	
		MAXIMUM							
Name of the language of the la	· · ·	TYPICAL							
		MADAIMUMA							
		TYPICAL							
		MAXIMUM						processions of the procession of the pr	
		TYPICAL							
EXAMPLE		MAXIMUM	0	71.2		2		98% by wt control device	CFR 61
Benzene	71432	TYPICAL	8.0	0,8		2		leak-tight trucks	67.302/61 (d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

1 PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS, CHECK BOX TO SPECIFY.

20AS - CHEMICAL ABSTRACT SERVICE NUMBER.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONT USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRUDSCE, ETC.).

40M - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIA, BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

5RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	EXHAUST POINT INFORMATIO	1.7.
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EXHAUSTED THROUGH	AIR POLLUTION CONTROL EQUIPMENT.
39) FLOW DIAGRAM DESIGNATION OF I	EXHAUST POINT:	
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C		ORS, ETC.): IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT BOX	JNDARY FROM EXHAUST POINT DISC	HARGE (FT):
42) DISCHARGE HEIGHT ABOVE GRADE	E (FT)	
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNOWN (FT):	
44) DIAMETER OF EXHAUST POINT (FT) 1.128 TIMES THE SQUARE ROOT OF	: NOTE: FOR A NON CIRCULAR EXHA THE AREA.	AUST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM):	b) TYPICAL (ACFM):
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):	b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERTICAL	L, LATERAL, DOWNWARD):	
48) LIST ALL EMISSION UNITS AND COM	ITROL DEVICES SERVED BY THIS EX	HAUST POINT:
NAME	EL	OW DIAGRAM DESIGNATION
a)		
b)		
d)		
(a)		
THE FOLLOWING INFORMATION NEED ONLY		
49a) LATITUDE:	b) LONGITUDE:	
50) UTM ZONE:	b) UTM VERTICAL (KM):	c) UTM HORIZONTAL (KM):



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FC	R APP	LICAN	T'S U	SE
Revisi	on#: _			
Date:	05	/ 06	3_/	10
Page		0	f	
Source	e Desig	nation:		
	SB	6-210		

	FOR AGENCY USE ONLY  ID NUMBER:
PROCESS EMISSION UNIT	
DATA AND INFORMATION	EMISSION POINT #:
	DATE:

OOOROE III	FORMATION
1) SOURCE NAME:	
Wedron Silica Company	
2) DATE FORM PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB
GENERAL II	FORMATION
4) NAME OF EMISSION UNIT: Storage Bin	
5) NAME OF PROCESS:	
Loading - Zone 06	
6) DESCRIPTION OF PROCESS:	
Storage bin (30 ton storage capacity) for truck lo	adout spout (LS6-070)
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:
Dried raw sand	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
SB6-210	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
UNKNOWN	
ANY TENDER LAW IS ADDED FOR ACCIONAGE.	11) SERIAL NUMBER (IF KNOWN):
10) MODEL NUMBER (IF KNOWN):	
UNKNOWN	UNKNOWN
UNKNOWN 12) DATES OF COMMENCING CONSTRUCTION,	UNKNOWN a) CONSTRUCTION (MONTH/YEAR):
UNKNOWN	
UNKNOWN  12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION	a) CONSTRUCTION (MONTH/YEAR):
UNKNOWN  12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION	a) CONSTRUCTION (MONTH/YEAR): 07/2010 (planned)
UNKNOWN  12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION	a) CONSTRUCTION (MONTH/YEAR): 07/2010 (planned) b) OPERATION (MONTH/YEAR):

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, FAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

	I	<u>F0</u>	RAP	PLICAN	<u>r's use</u>
APPLICATION PAGE		:			

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14) DOES THE EMISSION UNIT HA	VE MORE THAN ONE	MODE OF OPERATION	N?	O YES	s 🛭 No		
IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):							
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA	E (FORM 260-CAAPP ACH ITEM OF AIR POL	AND THE APPROPRI LUTION CONTROL E	ATE 260-CAAPP	CONTRO ADDEND	DLLING THIS UM FORM		
Particulate emissions are cont	rolled by a baghou	se (BH5-010)					
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECIF ESTABLISHED BY AN EXISTING	TIC RULE, OR THE AL	LOWABLE EMISSION		O YES	s 🛛 NO		
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING S			RATE WITH				
17) PROVIDE ANY LIMITATIONS ON SOURCE OPERATION AFFECTING EMISSIONS OR ANY WORK PRACTICE STANDARDS (E.G., ONLY ONE UNIT IS OPERATED AT A TIME):  NA							
		G INFORMATION					
18) ATTACH THE CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSION RELATED, FROM WHICH THE FOLLOWING OPERATING INFORMATION, MATERIAL USAGE INFORMATION AND FUEL USAGE DATA WERE BASED AND LABEL AS EXHIBIT 220-1. REFER TO SPECIAL NOTES OF FORM 202-CAAPP.							
19a) MAXIMUM OPERATING HOUR 8,760	DAYSM	EEK:	WEEKS	S/YEAR: 52			
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYSM	ÆEK:	WEEKS	SYEAR:		
8,520	24		7		52		
20) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(%	6):	SEP-NOV(%):		
	25	25	25		25		
	MATERIAL US	AGE INFORMAT	ION				
:							
	MAXIMUN	1 RATES	T	YPICAL F	RATES		
21a) RAW MATERIALS	LBS/HR	TONS/YEAR	LBS/HR		TONS/YEAR		
Raw Sand	700,000	2,628,000	350,0	00	600,060		
		espinglishi ni nidi lahlivot, oo p		_			
				_			
and the second s							
		L.					

ſ	MIXAM	JM RATES	TYPICA	L RATES
OALS PROPERTY	LBS/HR I	TONS/YEAR	LBS/HR	TONS/YEAR
21b) PRODUCTS	LDO/FIR	IONS/TEAR	LES/FIR	TONOTEAR
	dominocentral designation of the second desi			
			1	
i i	MAXIM	JM RATES	TYPICA	L RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
***************************************				
	-			
		POTO CONTROL OF THE PARTY OF TH		
			argateitenelisesilö-ilemaannomeen vataninasissa	
· · · · · · · · · · · · · · · · · · ·	l l		<u> </u>	
	FUEL	. USAGE DATA		
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL I (MILLION	FIRING RATE BTU/HR):	c) DESIGN CAPAC RATE (MILLION	
A the contract of the state of	***************************************			
	<u> </u>	main main main air main main main main main main main main		
d) FUEL TYPE:				
ONATURAL GAS OFUE				
IF MORE THAN ONE FUEL IS I	JSED, ATTACH AN	EXPLANATION AND LAB	BEL AS EXHIBIT 220-2.	
e) TYPICAL HEAT CONTENT OF BTU/GAL OR BTU/SCF):	FUEL (BTU/LB,	f) TYPICAL SULI GAS):	FUR CONTENT (WT %	, NA FOR NATURAL
BTUIGAL UK BTUIGOT J.		GAG).		
g) TYPICAL ASH CONTENT (WT GAS):	%., NA FOR NATU		EL USAGE (SPECIFY L SALJYEAR, TON/YEAR)	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROL AS	YES ONO
IF NO, IDENTIFY THE EXHAUS	T POINT FOR COM	BUSTION EMISSIONS:		

APPLICATION PAGE \_\_\_\_

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REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REGULATED AIR POLLUTANT(S) EMISSION STANDARD(S)
PM	IAC 212.123	<= 30% opacity
	IAC 212.321	PWR
25) PROVIDE ANY SPECIFIC RECORDKEEPING RULE(S) WHI	RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	NIT:
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
PROVIDE ANY SPECIFIC REPORTING RULE	26) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
27) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH A	(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	and the second s
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Periodic monitoring, inspection, maintenance & repair of the
		control device and sand handling process shall be
		performed to ensure that the system is operating properly
20) DDOMME AND SPECIAL TESTING DIFFES AND SPECIAL	INOS DBOOFELIFE MAIIĆI AGE ADDIJOADI E TO TIJIO EMAGGIOMI MAIT.	F AAR COLON 148/IT.
REGULATED AIR POLLUTANT(S)		REGUIREMENTS)
PM	IAC 201,282	Emissions testing w/in 90 days of IEPA written request
PM10/PM	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification

AND DESCRIPTION OF THE PROPERTY OF THE PROPERT								
29) DOES THE EMISSION UI OTHERWISE APPLICABI	VIT QUALIFY FOR AN EXEMP E RULE?	TION FROM AN	O YES	⊗ ио				
EXEMPTION: PROVIDE SUPPORTING DATA AND	I THE RULE FROM WHICH IT A DETAILED EXPLANATION J D CALCULATIONS. ATTACH A I ADDRESS AND JUSTIFY THI	JSTIFYING THE EXEMPTION ND LABEL AS EXHIBIT 220-3	. INCLUDE DETA	VILED				
		E INFORMATION						
30) IS THE EMISSION UNIT REQUIREMENTS?	N COMPLIANCE WITH ALL AF	PLICABLE	∀ES	U NO				
	CAAPP "COMPLIANCE PLANS UNITS" MUST BE COMPLETEI							
31) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO E	BE, OR WAS PREVIOUSLY, D	EMONSTRATED:					
Recordkeeping of PM/F	PM-10 emissions.							
PM emissions shall be	calculated using the follow	ving emission factor and	calculation me	thodology:				
PM/PM-10 Emission Factor: 0.013 lbs/ton (uncontrolled; calculated based on assumed 90% control efficiency)								
7.7	ut * Emission Factor * (1 -	Control Efficiency)						
The emission factor is for SCC 3-05-027-60 from the USEPA FIRE database and AP-42.								
32) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:								
Recordkeeping of PM/PM-10 emissions.  PM emissions shall be calculated using the following emission factor and calculation methodology:  PM/PM-10 Emission Factor: 0.013 lbs/ton (uncontrolled; calculated based on assumed 90% control efficiency)  PM/PM-10 = Throughput * Emission Factor * (1 - Control Efficiency)  The emission factor is for SCC 3-05-027-60 from the USEPA FIRE database and AP-42.								
Demonstration of ongoing compliance shall also include periodic inspection and maintenance of the conveyor system.								
TESTING, MONITORING, RECORDKEEPING AND REPORTING								
33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):								
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMEN	T FRE	QUENCY				
sand thruput	tons/mo; tons/yr	Citect		; annual				
PM Emissions	tons/mo; tons/yr	Calculation	monthly	r; annual				
PM10 Emission	tons/mo; tons/yr	Calculation	monthly	; annual				

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RECORDED PARAMET	ER INCLUDE THE METHOD	ORDS WILL BE CREATED AND NOT RECORD KEEPING, TITLE OF NTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR							
PARAMETER	METHOD OF RECORDICEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON							
sand thruput	Automated systm	Env. Coordinator	Plant Manager							
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager							
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager							
c) IS COMPLIANCE OF THE THE RECORDS?	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF								
IF NO, EXPLAIN:										
ir ind, and anim.										
d) ARE ALL RECORDS REAL SUBMITTAL TO THE AGE	DILY AVAILABLE FOR INSPE NCY UPON REQUEST?	CTION, COPYING AND	Ø YES □ NO							
SOUMITING TO THE HOL	as ron single states in									
IF NO, EXPLAIN:										
	ORS OR MONITORING ACTIV	ITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR							
COMPLIANCE:	and the second second	The same of the same	Facility of the							
·	system is installed, mair	tained and operated for mor	nitoring bag house							
pressure drop.										
b) WHAT PARAMETER(S) IS	(ARE) BEING MONITORED (	E.G., VOM EMISSIONS TO ATMO	SPHERE)?							
Pressure drop	11 7 3		*							
O DESCRIBE THE LOCATIO	N OF EACH MONITOR (F.C.	IN STACK MONITOR 3 FEET FRO	M EXITY							
	The same what the friend	or Candis motion of the LEAST	2191 - 201 1 Ju							
Baghouse										

34d) IS EACH MONITOR EQUIPPED WITH IF NO, LIST ALL MONITORS WITHOUT			X YES	O No
e) IS EACH MONITOR REVIEWED FOR A BASIS?	CCURACY ON AT LEAST A QUA	ARTERLY	X YES	UNO
IF NO, EXPLAIN:				
f) IS EACH MONITOR OPERATED AT ALI IN OPERATION?	L TIMES THE ASSOCIATED EMI	SSION UNIT IS	⊗ <sub>YES</sub>	O NO
IF NO, EXPLAIN:				
35) PROVIDE INFORMATION ON THE MOS PURPOSES OF THE DETERMINATION DATE, TEST METHOD USED, TESTING SUMMARY OF RESULTS. IF ADDITION	FOF FEES, RULE APPLICABILITY COMPANY, OPERATING CON	Y OR COMPLIANO DITIONS EXISTING	E. INCLUDE THE	E TEST
TEST DATE TEST METHOD	TESTING COMPANY	OPERATING CONDITIONS	SUMMARY OF	RESHLTS
regrunte negrinos	TECHNO GOM 744	OSABITIONS	JONINO CT OF	T. COOLING
			<u> </u>	
act percepting and percepting profiting	MENTS AND DROVADE THE TH	TEAND FORM	TOY OF BEDOD	
36) DESCRIBE ALL REPORTING REQUIRE SUBMITTALS TO THE AGENCY:	MEN 19 WAD EKONDE THE TH	LE AND PREUDE!	VUT UP KEPUK	1
REPORTING REQUIREMENTS	TITLE OF REPORT		FREQUENCY	
Notification of Deviation	Excess emissions,monitr		quired	
	equip downtime, and mis			
Annual Emissions Report	Illinois AER	Annua	<u> </u>	

Particulation   Particulatio						(37)E	MISSION	(37) EMISSION INFORMATION				
TOPICAL   TOPICAL   TERMS   SOTHER   SEATE   UNITS)   APPLICABLE   TONISYRB   RATE   UNITS)   TOPICAL   TOPICAL				☐ 1ACTUAL EN	MISSION RATE	N RATE		ALLOWABL	E BY RULE EMIS	SSION RATE	PERMITTED E	MISSION RATE
TYPICAL	REGULATED AIR POLLUTANT			TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	3OTHER TERMS	*om	1 1		-		TONS PER YEAR (TONS/YR)
TYPICAL	CARBON	MAXIMUM.										
MACHINEAR         ( )         (	MONOXIDE (CO)	TYPICAL						)				
TYPECAL   TYPECAL	LEAD	MAXIMIM.						_				
WADMINUS   Color   C		TYPICAL						<u> </u>				
TYPICAL:	NITROGEN	MAXIMUM						~				
MAXIMUM   SEE   BH5-010	OXIDES (NOx)	TYPICAL										
TYPICAL   SEE BH5-010   ( )   SEE BH5-010	PARTICULATE	MAXIMUM										
MAXIMUM:         SEE         BH5-010         C         D         C         D         C         D         C         D         C         D         C         D         C         D         C         D	MATTER (PART)	TYPICAL						~				
TYPICAL:   MAXIMUM:	PARTICULATE MATTER <= 10	MAXIMUM	SEE	BH5-010								e
MAXIMUM.         5.00         21.9         6.0 (LBS/HR)         5.50.8         7.44         6.5 (LBS/HR)         27.2.327         26.28         5.5 (LBS/HR)         5.5 (LBS/HR) <t< td=""><td>MICROMETERS (PM10)</td><td>TYPICAL:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2014 1214 1214 1214 1214 1214 1214 1214</td><td></td></t<>	MICROMETERS (PM10)	TYPICAL:									2014 1214 1214 1214 1214 1214 1214 1214	
TYPICAL   MAXIMUM:	SULFUR	MAXIMUM					:					
MAXIMUM:   TYPICAL:	DIOXIDE (SO2)	TYPICAL									15.00	
TYPICAL   MAXIMUM: 5.00   21.9   GRUDSCF   1   6.0 (LBS/HR)   212.321   26.28   5.5 LBS/HR   19.80	VOLATILE	MAXIMUM										
TYPICAL   1	MATERIAL (VOM)							)				
TYPICAL: ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	OTHER, SPECIFY:	MAXIMUM.										
MAXIMUM. 5.00 21.9 GR/DSCF 1 6.0 (LBS/HR) 212.321 26.28 5.5 LBS/HR TYPICAL: 4.00 14.4 GR/DSCF 4 6.5 (LBS/HR) 212.321 19.80	-	TYPICAL:									237	
TYPICAL 4.00 14.4 GRADSCF 4 5.5 (LBS/HR) 212.321	EXAMPLE: PARTICULATE	MAXIMUM	5.00	27.0	0,3 GR/DSCF			6.0 (LBS/HR.		26.28	5.5 LBS/HR	22
	MATTER	TYPICAL	4.00	74.4	0.24 GR/DSCF		*	5.5 (LBS/HR)		19.30		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

10HECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERMISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS, 2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION, THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

\*\*PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSCF, ETC.)

\*\*DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP 42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS)

\*\*SRATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

# APPLICATION PAGE

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AP			(38)	8) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION	AIR POLLUTAN	IT EMISSION IN	<b>VFORMATIC</b>	X	
Constraint				O 1ACTU	AL EMISSION RA'	TE SION RATE		:	ULE
TYPICAL    NAXIMUM    TYPICAL	NAME OF HAP EMITTED	2cas NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	30THER TERMS	#D#	<sup>5</sup> RATE OR STANDARD	APPLICABLE
TYPICAL  MAZIMUM  MAZIMUM  MAZIMUM  TYPICAL  MAZIMUM  TYPICAL  MAZIMUM  TYPICAL  MAZIMUM  MAZIMUM  TYPICAL  MAZIMUM  MAZIMUM  MAZIMUM  TYPICAL  MAZIMUM  MAZIMUM  TYPICAL  TYPICAL  MAZIMUM  TYPICAL  TYPICAL  MAZIMUM  TYPICAL  TYPICAL  TYPICAL  MAZIMUM  TYPICAL  TYP			MAXIMUM:	A THE RESIDENCE AND A STATE ASSESSMENT OF THE PROPERTY OF THE					
NAZIMUM: TYPICAL: NAZIMUM: TYP	······································		TVPICAL						
TYPICAL.  MAZIMUM.  TYPICAL.  TYPICAL.  MAZIMUM.  TYPICAL.  TYPICAL.  MAZIMUM.  TYPICAL.  MAZIMUM.  TYPICAL.  TYPICAL.  MAZIMUM.  TYPICAL.  MAZIMUM.  TYPICAL.  TYPICAL.  MAZIMUM.  TYPICAL.  MAZIMUM.  TYPICAL.  MAZIMUM.  TYPICAL.  TYPICAL.  MAZIMUM.  TYPICAL.  MAZIMUM.  TYPICAL.			MAXIMUM:	en e					
MAXIMUM TYPICAL MAXIMUM TYPICA			TYPICAL	soderindes plenikas walk drozej inn sa politje klabego o dobine ministe.					
TYPICAL:			MAZUMUKA						
TYPICAL:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  TYPICAL:  MAXIMUM:  TYPICAL:  MAXIMUM:  TYPICAL:  MAXIMUM:  TYPICAL:  MAXIMUM:  TYPICAL:  TYPICAL:  TYPICAL:  MAXIMUM:  TYPICAL:  TYPICA			TYPICAL						····
TYPICAL: MAXIMUM: MAXIMUM: TYPICAL: MAXIMUM: TYPICAL: MAXIMUM: TYPICAL: TYPICAL: MAXIMUM: TYPICAL: TYP			MAXIMUM						
TYPIGAL:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  TYPICAL:  MAXIMUM:  TYPICAL:  MAXIMUM:  TYPICAL:  TYPICA			TYPICAL						······································
MAXIMUM.  TYPICAL.  TYPICAL.  MAXIMUM.  TYPICAL.  MAXIMUM.  TYPICAL.  TYPICAL.  MAXIMUM.  TYPICAL.  TYPICAL.  TYPICAL.			MAXIMUM:						
MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  MAXIMUM:  TYPICAL  MAXIMUM:  774.32  TYPICAL		- The second sec	TVPICAL						nanajanja wasipuna
TYPICAL  MAXIMUM  TYPICAL  TYPICAL  MAXIMUM  TYPICAL  TYP			MAXIMUM						
TYPICAL  TYPICAL  MAXIMUM: 70.0  MAXIMUM: 70.0			TYPICAL						
TYPICAL.  MAXIMUM: TYPICAL  MAXIMUM: 70:0  TYPICAL  77432			MAXIMUM						
TYPICAL  MAXIMUM: 70:0  TYPICAL  77432  TYPICAL  77432		and the second s	TVPICAL		en en en estados en entre en entre en entre en entre en en entre en				· ce-r-munic
TYPICAL 70.0 1.2 2 2 77432 1YPICAL 8.0 0.8			MAXIMUM						
74432 TYPICAL 80 08			TVPICAL						· · · · · · · · · · · · · · · · · · ·
774232 TYPICAL 80 08	EXAMPLE		MAXIMUM	0.01	7.5		2	98% by wt control device	OFR 61
	Benzene	71432	TYPICAL	8:0	80		C4	leak-tight trucks	61.302(b),(d)

IMPORTANT: A LIACH CALCULATIONS, TO THE EXTENT THEY ARE ARE AMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

PROVIDE UNCONTROLLED EMISSIONS: CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

SPLASES PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRÜDSCF, ETC.).

#DM - DETERMINATION METHOD. I) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP 42 OR AIRS, 4) ENGINEERING ESTIMATE. 5) SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS).

FRATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

:	EXHAUST POIN	TINFORMATION			
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EX	HAUSTED THROUGH A	AIR POLLUTION CONTROL EQUIPMENT.		
39) FLOW DIAGRAM DESIGNATION OF E	XHAUST POINT:				
40) DESCRIPTION OF EXHAUST POINT ( DISCHARGES INDOORS, DO NOT CO			RS, ETC.). IF THE EXHAUST POINT		
41) DISTANCE TO NEAREST PLANT BOL	INDARY FROM EXH	AUST POINT DISCH	ARGE (FT):		
42) DISCHARGE HEIGHT ABOVE GRADE	(FT):				
43) GOOD ENGINEERING PRACTICE (GE	EP) HEIGHT, IF KNO	WN (FT):			
44) DIAMETER OF EXHAUST POINT (FT): 1.128 TIMES THE SQUARE ROOT OF		N CIRCULAR EXHAU	JST POINT, THE DIAMETER IS		
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACF	M):	b) TYPICAL (ACFM):		
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):		
47) DIRECTION OF EXHAUST (VERTICAL	., LATERAL, DOWN	WARD):			
48) LIST ALL EMISSION UNITS AND CONTROL DEVICES SERVED BY THIS EXHAUST POINT:					
NAME FLOW DIAGRAM DESIGNATION					
a).					
b)-					
0)					
(d)					
e)					
THE FOLLOWING INFORMATION NEED ONLY I	RE SLIPPLIED IE READI	I V AWAII ARI E			
49a) LATITUDE:		b) LONGITUDE:			
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):		



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FO	R APPLI	CANT	'S U	<u>SE</u>
Revisio	n#:			
Date:	_05/	06	J.	10
Page		of	economismos	
Source	Designa	tion:		
	r90.	-010		

## PROCESS EMISSION UNIT DATA AND INFORMATION

	FOR AGENCY USE ONLY
-	ID NUMBER:
-	EMISSION POINT #:
-	± 2
-	DATE:

SOL	JRCE INFORMATION
1) SOURCE NAME:	
Wedron Silica Company	
2) DATE FORM	3) SOURCE ID NO.
PREPARED: 05-06-2010	(IF KNOWN): 099804AAB
GEN	ERAL INFORMATION
4) NAME OF EMISSION UNIT:	
Loadout Spout	
5) NAME OF PROCESS:	
Loading - Zone 06	
6) DESCRIPTION OF PROCESS:	

Truck loadout spout from Wedron II loadout storage bins (SB6-200 & SB6-210) 7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR ACTIVITY ACCOMPLISHED: Dried raw sand 8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT: LS6-070 9) MANUFACTURER OF EMISSION UNIT (IF KNOWN): UNKNOWN 10) MODEL NUMBER (IF KNOWN): 11) SERIAL NUMBER (IF KNOWN): UNKNOWN UNKNOWN 12) DATES OF COMMENCING CONSTRUCTION. a) CONSTRUCTION (MONTH/YEAR): OPERATION AND/OR MOST RECENT MODIFICATION 07/2010 (planned) OF THIS EMISSION UNIT (ACTUAL OR PLANNED) b) OPERATION (MONTH/YEAR): 08/2010 (planned) c) LATEST MODIFICATION (MONTH/YEAR): 13) DESCRIPTION OF MODIFICATION (IF APPLICABLE): Installation of a new loadout spout.

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES; 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

		E	OR	A	PPL	ICA	NT'S	USE
APPLICATION DACE								
AFFLICATION FAGE	 ١.,					·		

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Page 1 of 10

IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):	Y WHICH M	ODE IS CC	VERED BY	THIS FOR	M (NOTE:	U YE	s ₩ no
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA	E (FORM 26 ACH ITEM O	0-CAAPP F AIR POL	AND THE A	PPROPRIA INTROLEC	TE 260-CAAPP		
Particulate emissions are conf	rolled by a	a baghou	se (BH5-	)10)			
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECI ESTABLISHED BY AN EXISTING	FIC RULE, C S OR PROP	OR THE ALI	LOWABLE RMIT COND	EMISSION I ITION?	LIMIT AS	O YE	s 🛇 no
IF YES, COMPLETE AND ATTA EXCESS EMISSIONS DURING				T TO OPER	ATE WITH		:
17) PROVIDE ANY LIMITATIONS O STANDARDS (E.G., ONLY ONE NA					IONS OR ANY V	VORK PF	RACTICE
18) ATTACH THE CALCULATIONS.			G INFOR		DELATED EDO	LANABLIC	11.711
FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBI	RMATION,	MATERIAL	USAGE IN	FORMATIO	N AND FUEL US	SAGE DA	
19a) MAXIMUM OPERATING HOUR 8,760	S HO	URS/DAY: 24	and the second s	DAYS/WE	EK 7	WEEK	S/YEAR: 52
b) TYPICAL OPERATING HOURS	НО	HOURS/DAY:		DAYS/WE	EK:	WEEK	S/YEAR:
8,520		24			7		52
20) ANNUAL THROUGHPUT	DE	C-FEB(%): 25	MAR	-MAY(%): 25	JUN-AUG(9 25	6):	SEP-NOV(%): 25
MATERIAL USAGE INFORMATION							
	,,,,,,,					***************************************	
		MAXIMUM RATES		T	YPICAL	RATES	
21a) RAW MATERIALS	LBS/H	R	TONS	YEAR	LBS/HR		TONS/YEAR
Raw Sand	700	,000	2,62	28,000	700,0	00	1,200,120
	***************************************					- Section of the sect	
	Digo kernending panine dark Seferansi in meno seperakasa	aponini maria a maria di	and programmed to contract the same of				

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	MAXIM	JM RATES	TYPICA	AL RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
**************************************				easternamenta varior y GFAH Harrison and in y y sand candens.
ŗ			F 75/5/3	ALC: PA A PROPERTY
		JM RATES		AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
				eja varionino fa fin in la roma antino mante con interiori
22a) MAXIMUM FIRING RATE		_ USAGE DATA FIRING RATE	c) DESIGN CAPAC	ITY FIRING
(MILLION BTU/HR):		BTU/HR):	RATE (MILLION	
d) FUEL TYPE:				
ONATURAL GAS OFUL	EL OIL: GRADE NUI	MBEROc	OAL OOTHER_	
IF MORE THAN ONE FUEL IS I	JSED, ATTACH AN	EXPLANATION AND LAB	EL AS EXHIBIT 220-2	· · · · · · · · · · · · · · · · · · ·
e) TYPICAL HEAT CONTENT OF FUEL (BTU/LB.			UR CONTENT (WT %	, NA FOR NATURAL
BTU/GAL OR BTU/SCF):		GAS):		
			DIO 00	
g) TYPICAL ASH CONTENT (WT %., NA FOR NATURAL GAS):			EL USAGE (SPECIFY ( SALYEAR, TON/YEAR	
*			·	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	TROLAS	YES ONO
IF NO, IDENTIFY THE EXHAUS	ST POINT FOR CON	BUSTION EMISSIONS:		-

REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
ΜA	IAC 212, 123	<= 30% opacity
	IAC 212.321	PWR
) PROVIDE ANY SPECIFIC RECORDICEPING I	25) PROVIDE ANY SPECIFIC RECORDICEPING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	NIT.
REGULATED AIR POLLUTANT(S)	RECORDINEEPING RULE(S)	REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Records of sand throughput, PM/PM10 emissions
  ) PROVIDE ANY SPECIFIC REPORTING RULE(   REGULATED AIR POLLUTANT(S)	26) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT: RECOLATED AIR POLLUTANT(S)	REQUIREMENT(S)
PM/PM10	IAC 201.302	Annual Emission Report
A PROVIDE AINT SPECIFIC MONITORING ROLE REGULATED AIR POLLUTANT(S)	Z/) PROVIDE ANT SPECIFIC MONITORING ROLE(S) WHICH ARE APPLICABLE TO THIS EMISSION ONLY.  REGULATED AIR POLLUTANT(S)	REQUIREMENT(S)
PM/PM10	39.5(7)(b) of IL Env. Protection Act	Periodic monitoring, inspection, maintenance & repair of the
		performed to ensure that the system is operating properly
28) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROC	ID/OR PROCEDURES WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	S EMISSION UNIT:
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
PM	IAC 201.282	Emissions testing w/in 90 days of IEPA written request
PM10/PM	IAC 212.108/110	PM/Opacity/VE testing upon IEPA written notification

29) DOES THE EMISSION U OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMP <sup>*</sup> LE RULE?	TION FROM AN	O YES NO		
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.					
	COMPLIANO	E INCORMATION			
30) IS THE EMISSION UNIT REQUIREMENTS?	IN COMPLIANCE WITH ALL AF	E INFORMATION PLICABLE	⊠ yes □ NO		
		SCHEDULE OF COMPLIANCE - A D AND SUBMITTED WITH THIS A			
31) EXPLANATION OF HOW	/ INITIAL COMPLIANCE IS TO B	BE, OR WAS PREVIOUSLY, DEM	ONSTRATED:		
Recordkeeping of PM/	PM-10 emissions.				
PM emissions shall be	calculated using the follow	ving emission factor and cal	culation methodology:		
PM Emission Factor: 0.02 lbs/ton PM-10 Emission Factor: 0.0024 lbs/ton PM = Throughput * Emission Factor * (1 - Control Efficiency)					
The emission factor is for SCC 3-05-025-06 from the USEPA FIRE database and AP-42.					
32) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:					
Recordkeeping of PM/PM-10 emissions.  PM emissions shall be calculated using the following emission factor and calculation methodology:  PM Emission Factor: 0.02 lbs/ton  PM-10 Emission Factor: 0.0024 lbs/ton  PM/PM-10 = Throughput * Emission Factor * (1 - Control Efficiency)  The emission factor is for SCC 3-05-025-06 from the USEPA FIRE database and AP-42.					
Demonstration of ongoing compliance shall also include periodic inspection and maintenance of the conveyor system.					
TENTING MONITORING DECORPOSEDING AND DEPORTING					
TESTING, MONITORING, RECORDKEEPING AND REPORTING  33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):					
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FREQUENCY		
sand thruput	tons/mo; tons/yr	Citect	monthly; annual		
PM Emissions	tons/mo; tons/yr	Calculation	monthly; annual		
PM10 Emission	tons/mo; tons/yr	Calculation	monthly; annual		
790730000000000000000000000000000000000					

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RECORDED PARAMET	ER INCLUDE THE METHOD (	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF NTACT FOR REVIEW OF RECORI	PERSON RESPONSIBLE FOR		
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON		
sand thruput	Automated systm	Env. Coordinator	Plant Manager		
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager		
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager		
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY DI	EMONSTRATED BY REVIEW OF	⊠ yes □ no		
d) ARE ALL RECORDS REAL SUBMITTAL TO THE AGE IF NO, EXPLAIN:	DILY AVAILABLE FOR INSPENCY UPON REQUEST?	CTION, COPYING AND	⊠ yes □ no		
34a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:  A continuous monitoring system is installed, maintained and operated for monitoring bag house pressure drop.					
b) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., VOM EMISSIONS TO ATMOSPHERE)?  Pressure drop					
c) DESCRIBE THE LOCATION Baghouse	N OF EACH MONITOR (E.G.,	IN STACK MONITOR 3 FEET FRO	DM EXIT);		

34d) IS EACH MONITOR EQUIPPED W	/ITH A RECORDING DEVICE?	X YES ONO
IF NO, LIST ALL MONITORS WITHO	UT A RECORDING DEVICE:	
e) IS EACH MONITOR REVIEWED FOR BASIS? IF NO, EXPLAIN:	ACCURACY ON AT LEAST A QUARTER	LY X YES NO
f) IS EACH MONITOR OPERATED AT A IN OPERATION?  IF NO, EXPLAIN:	ALL TIMES THE ASSOCIATED EMISSION	UNIT IS YES NO
PURPOSES OF THE DETERMINATION DATE, TEST METHOD USED, TEST	IOST RECENT TESTS, IF ANY, IN WHICH ON OF FEES, RULE APPLICABILITY OR ( ING COMPANY, OPERATING CONDITION IONAL SPACE IS NEEDED, ATTACH AND	COMPLIANCE. INCLUDE THE TEST IS EXISTING DURING THE TEST AND A
	OPER/	
TEST DATE TEST METHOD	TESTING COMPANY CONDI	
36) DESCRIBE ALL REPORTING REQUI	REMENTS AND PROVIDE THE TITLE AN	D FREQUENCY OF REPORT
SUBMITTALS TO THE AGENCY:		
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of Deviation	Excess emissions,monitrng,	As Required
	equip downtime, and misc.	
Annual Emissions Report	Illinois AER	Annual
Remarks and the second		•

APPLICATION PAGE

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			TACTUAL EMISSION	MISSION RATE	1		ALLOWABLE	ALLOWABLE BY RULE EMISSION RATE	ION RATE	PERMITTED EMISSION RATE	SION RATE
			¬¹uncontract	TUNCONTROLLED EMISSION RATE	NRATE						
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	SRATE (UNITS)	) APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM.						مين				
MONOXIDE (CO)	TYPICAL	:									
LEAD	MAXIMUM										
	TYPICAL										
NITROGEN	MAXIMUM										
OXIDES (NOX)	TYPICAL						J				
PARTICULATE	MAXIMUM										
MATTER (PART)	TYPICAL										1
PARTICULATE MATTER <= 10	MAXIMUME	SEE	BH5-010							SEE BH5-010	
MICROMETERS (PM10)	TYPICAL:										
SULFUR	MAXIMUM:										
DIOXIDE (SO2)	TYPICAL										
VOLATILE	MAXIMUM						)				
MATERIAL (VOM)	TYPICAL.										
OTHER, SPECIFY:	MAXIMUM										
And a control of the second of	TYPICAL										
EXAMPLE: PARTICULATE	MAXIMUM	5.00	27.9	0.3 GR/DSCF			6.0 (LBS/HR)	272.327	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	4.00	14.4	0.24 GRMSCF		4	5.5 (LBS/HR)	212.327	19.80		

TCHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.
PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT REE.
PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSCF, ETC.)

4DM.-DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP.42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

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NAME OF HAP								
NAME OF HAP			O TACTUA O TUNCON	☐ 1actual emission rate ☐ 1uncontrolled emission rate	TE SION RATE		ALLOWABLE BY RULE	Ш.
EMITTED	2CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	4pm	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM						
		TYPICAL					<b>WARRING STATE</b>	Social de municipal
		MAXIMUM						
::\\\		TYPICAL						is dertwee Mex
		MAXIMUM						
		TYPICAL						Stewaris success
		MAXIMUM						
<del>ar biba da da</del>		TYPICAL					nijenovijeno	alexentine
		MAXIMUM						
		TYPICAL						amalika erika yang
		MAXIMUM:						
		TVPICAL	and the state of t				M. Marine San American	in der was one on agreement
		MAXIMUM						
		TYPICAL					nalani di dia tra	innina kuwa
		MAXIMUM:						
<del>constantly in a real</del>		TYPICAL						on an adversary and and
EXAMPLE		WAXIMUM	0.01	Q1		52	98% by wt control device	CFR 61
Benzene	71432	TYPICAL.	9.0	8.0		2	leak-tight trucks	61,302(b),(d)

	EXHAUST POIN	IT INFORMATION	
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE E	XHAUSTED THROUGH A	IR POLLUTION CONTROL EQUIPMENT.
39) FLOW DIAGRAM DESIGNATION OF I	EXHAUST POINT:		
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C			RS, ETC.). IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT BOX	JNDARY FROM EXI	HAUST POINT DISCH	ARGE (FT):
42) DISCHARGE HEIGHT ABOVE GRADE	(FT):	MATI JUMAN ASSASSASSASSASSASSASSASSASSASSASSASSASS	
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNO	OWN (ET):	
44) DIAMETER OF EXHAUST POINT (FT) 1.128 TIMES THE SQUARE ROOT OF		N CIRCULAR EXHAU	IST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACF	FM);	b) TYPICAL (ACFM):
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F).		b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWN	WARD):	
48) LIST ALL EMISSION UNITS AND COM	TROL DEVICES SE	RVED BY THIS EXHA	AUST POINT:
NAME		FLO	W DIAGRAM DESIGNATION
a)			
b)			WHAT A PERSON OF THE PRINCIPLE SECTION OF THE SECTI
(5)			
d)			
(e)			
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READ	DILY AVAILABLE	
49a) LATITUDE:	obberophyropticals and Artista beauty and a state of the	b) LONGITUDE:	
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE	
Revision #:	
Date: 05 / 06 / 10	)
Page of	menorals.
Source Designation: LS5-010	

# PROCESS EMISSION UNIT DATA AND INFORMATION

ID NUMBER:	
EMISSION POINT#:	
DATE	

SO	URCE INFORMATION		
1) SOURCE NAME:			
Wedron Silica Company			
2) DATE FORM PREPARED: 05-06-2010	3) SOURCE ID NO. (IF KNOWN): 099804AAB		
GEN	NERAL INFORMATION		
NAME OF EMISSION UNIT:     Loadout Spout			
5) NAME OF PROCESS:			
Coarse Screening - Zone 05 (Wedron II	):		
6) DESCRIPTION OF PROCESS:			
Truck loadout spout from baghouse dus	it collector (BH5-010)		
7) DESCRIPTION OF ITEM OR MATERIAL PRODU	CED OR ACTIVITY ACCOMPLISHED:		
Dried raw sand			
8) FLOW DIAGRAM DESIGNATION OF EMISSION	UNIT:		
LS5-010			
9) MANUFACTURER OF EMISSION UNIT (IF KNO	MN);		

9) MANUFACTURER OF EMISSION UNIT (IF KNOWN): UNKNOWN	
10) MODEL NUMBER (IF KNOWN): UNKNOWN	11) SERIAL NUMBER (IF KNOWN): UNKNOWN
12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR): 07/2010 (planned) b) OPERATION (MONTH/YEAR): 08/2010 (planned) c) LATEST MODIFICATION (MONTH/YEAR):
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE): Installation of a new loadout spout.	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, FAR. 1639.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

A	PPLICATION	PAGE	

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14) DOES THE EMISSION UNIT HA	VE MORE THAN ON	IE MC	DE OF O	PERATIO	V?	O YES	s 🛭 NO
IF YES, EXPLAIN AND IDENTIF A SEPARATE PROCESS EMISS FOR EACH MODE):							
	orandi VIII Alabayan on maria ayan ayan ayan ayan ayan ayan ayan ay						
15) PROVIDE THE NAME AND DES EMISSION UNIT, IF APPLICABL MUST BE COMPLETED FOR EA Particulate emissions are conf	E (FORM 260-CAAF ACH ITEM OF AIR P	PP AN OLLU	D THE AP	PROPRIA	TE 260-CAAPP		
16) WILL EMISSIONS DURING STA RATE PURSUANT TO A SPECI ESTABLISHED BY AN EXISTING IF YES, COMPLETE AND ATTA	FIG RULE, OR THE 3 OR PROPOSED P CH FORM 203-CAAI	ALLO) 'ERMI PP, "R	WABLE EI IT CONDIT REQUEST	MISSION I FION?	LIMIT AS	O YES	s 🛛 NO
EXCESS EMISSIONS DURING	STARTUP OF EQUI	PMEN	HES.				
17) PROVIDE ANY LIMITATIONS O STANDARDS (E.G., ONLY ONE NA				vg emiss	IONS OR ANY V	VORK PR	ACTICE
Listen Company of the							
	OPERAT						
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFO BASED AND LABEL AS EXHIBI	RMATION, MATER	IAL US	SAGE INF	ORMATIO	N AND FUEL US	SAGE DA	
19a) MAXIMUM OPERATING HOUR	1			DAYS/WE		WEEKS	SYEAR:
8,760		4			7		52
b) TYPICAL OPERATING HOURS							7.5 - 17.8V
8,520		24			7		
20) ANNUAL THROUGHPUT	DEC-FEB(%	6).		MAY(%):	JUN-AUG(9	6):	SEP-NOV(%):
	25	************		25	25	ĺ	25
	MATERIAL (	10 4	~F 11:F-	D1114	<b>~</b>		
	WAIEKIAL	JOAL	JE INFC	IN AIN	JIV .		
:	MAXIM	UM RA	ATES	1	:1	YPICAL F	RATES
21a) RAW MATERIALS	LBS/HR		TONS/Y	EAR	LBS/HR		TONS/YEAR
Raw Sand	700,000	-	2,628	3.000	10,0	000	5,000
MANAGEMENT OF THE PROPERTY OF		  -					~ (.~ ~ 4
and the state of t		-			decrees the same burn.		
			0.0000000000000000000000000000000000000				
:							
		-					
			****			1	

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	MAXIMU	JM RATES	TYPICA	AL RATES
21b) PRODUCTS	LBS/HR T	TONSYEAR	LBS/HR	TONS/YEAR
		-		
	:			
		***************************************		
	MAXIMI	JM RATES	TYPICA	AL RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
ninganan mpanjaman mpanjadi kanani kanan mpanjaman di kanan madisan dan mada mada mada mada mada mada mad	<del></del>	_		
			:	
VELVE				в основном население основного постоя с опеннявам, из эменания основного
	·			
	FUEL	. USAGE DATA		
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):		IRING RATE BTU/HR):	c) DESIGN CAPAC RATE (MILLION	
(MILLION DI WITK).	(WILLION	b) WHK).	RATE (WILLION	i b i omity:
d) FUEL TYPE:	***************************************			
ONATURAL GAS OFUI	EL OIL: GRADE NUN	MBER O	COAL OTHER	
IF MORE THAN ONE FUEL IS				
e) TYPICAL HEAT CONTENT OF	ELIEL (RTIM R	I N TYPICAL SU	FUR CONTENT (WT %	NA FOR NATHRA
BTU/GAL OR BTU/SCF):	rocc to rocco.	GAS):	I CIX GOIATCHI (VII 20	, including
g) TYPICAL ASH CONTENT (WI	». NA EOR NATH	PAL IN ANNUALE	EL USAGE (SPECIFY I	INITS F.G
g) TYPICAL ASH CONTENT (WI GAS):	We received the received		GALIYEAR, TONIYEAR	
23) ARE COMBUSTION EMISSION PROCESS UNIT EMISSIONS?	S DUCTED TO THE	SAME STACK OR CON	ITROLAS	YES ON
IF NO, IDENTIFY THE EXHAUS	ST POINT FOR COM	BUSTION EMISSIONS:		
HOLANA HOLANDON				

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OTHERWISE APPLICAB	INTERULE?	FLON FROM AIN	U YES W NO				
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 220-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.							
	COMPLIANCE INFORMATION						
COMPLIANCE INFORMATION  30) IS THE EMISSION UNIT IN COMPLIANCE WITH ALL APPLICABLE							
REQUIREMENTS?	IN COMPERANCE WITH ALEA	INFERMANCE.	Ø YES □ NO				
		SCHEDULE OF COMPLIANCE OD AND SUBMITTED WITH TH					
31) EXPLANATION OF HOV	VINITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY, D	EMONSTRATED:				
Recordkeeping of PM/	PM-10 emissions.						
PM emissions shall be	calculated using the follo	wing emission factor and	calculation methodology:				
PM Emission Factor: 0 PM-10 Emission Factor							
PM = Throughput * En	nission Factor * (1 - Contr	ol Efficiency)					
The emission factor is	for SCC 3-05-025-06 from	n the USEPA FIRE databa	ase and AP-42.				
32) EXPLANATION OF HOV	ONGOING COMPLIANCE WI	LL BE DEMONSTRATED:					
Recordkeeping of PM/PM-10 emissions.							
PM emissions shall be calculated using the following emission factor and calculation methodology:							
PM Emission Factor: 0.02 lbs/ton PM-10 Emission Factor: 0.0024 lbs/ton							
PM-10 Emission Factor: 0.0024 lbs/ton PM/PM-10 = Throughput * Emission Factor * (1 - Control Efficiency)							
The emission factor is for SCC 3-05-025-06 from the USEPA FIRE database and AP-42.							
Demonstration of agging anymhiones shall also include neglectic inspection and maintenance of the							
Demonstration of ongoing compliance shall also include periodic inspection and maintenance of the conveyor system.							
conveyor system.							
TESTING, MONITORING, RECORDKEEPING AND REPORTING							
33a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):							
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMEN	TFREQUENCY				
sand thruput	tons/mo; tons/yr	Citect	monthly; annual				
PM Emissions	tons/mo; tons/yr	Calculation	monthly, annual				
PM10 Emission	tons/mo; tons/yr	Calculation	monthly; annual				

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RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND M OF RECORDKEEPING, TITLE OF I INTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
sand thruput	Automated systm	Env. Coordinator	Plant Manager
PM Emissions	Spreadsheet	Env. Coordinator	Plant Manager
PM10 Emission	Spreadsheet	Env. Coordinator	Plant Manager
c) IS COMPLIANCE OF THE THE RECORDS? IF NO, EXPLAIN:	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF	₩ YES NO
SUBMITTAL TO THE AGE	DILY AVAILABLE FOR INSPENCY UPON REQUEST?	ECTION, COPYING AND	YES O NO
IF NO, EXPLAIN:			
34a) DESCRIBE ANY MONITO COMPLIANCE:	ORS OR MONITORING ACTIV	VITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR
477.	system is installed, mail	ntained and operated for mon	itoring bag house
pressure drop.			
	(ARE) BEING MONITORED	E.G., VOM EMISSIONS TO ATMOS	PHERE)?
Pressure drop			
:			
c) DESCRIBE THE LOCATION	ON OF EACH MONITOR (E.G.	, IN STACK MONITOR 3 FEET FRO	DM EXIT):
Baghouse			
en e			

APPLICATION PAGE

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34d) IS EACH MONITOR EQUIPPED WIT	TH A RECORDING DEVICE?	X YES ONO
IF NO, LIST ALL MONITORS WITHOU	TA RECORDING DEVICE:	Communication of State of the S
e) IS EACH MONITOR REVIEWED FOR A	ACCUPACY ON AT LEAST A OHARTER	1V 60
BASIS?	COURACI ON AT LEAST A GUARTER	X YES NO
IF NO, EXPLAIN:		
A PERSON A TELEVISION A TELEVIS	. THEO THE ACCOUNTS SHOOLO	
f) IS EACH MONITOR OPERATED AT AL IN OPERATION?	L TIMES THE ASSOCIATED EMISSION	IUNITIS YES NO
IF NO, EXPLAIN:		
	N OF FEES, RULE APPLICABILITY OR	COMPLIANCE. INCLUDE THE TEST
	G COMPANY, OPERATING CONDITION MAL SPACE IS NEEDED, ATTACH AND	NS EXISTING DURING THE TEST AND A CLABEL AS EXHIBIT 220-4:
	OPER	ATING
TEST DATE TEST METHOD	TESTING COMPANY CONDI	TIONS SUMMARY OF RESULTS
The state of the s	амымыны алгагаа алгага	unnunsiannunsiannunsiannunsiannunsianna varianna varianna varianna varianna varianna varianna varianna variann
36) DESCRIBE ALL REPORTING REQUIR SUBMITTALS TO THE AGENCY:	EMENTS AND PROVIDE THE TITLE AN	ID FREQUENCY OF REPORT
REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY
Notification of Deviation	Excess emissions,monitrng,	As Required
	equip downtime, and misc.	
Annual Emissions Report	Illinois AER	Annual
	January Charles Comment of the Comme	

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					1/10	S CONTRACTOR	(37)EMISSION INFORMATION					
			TACTUAL EMISSION	1 ACTUAL EMISSION RATE 1 UNCONTROLLED EMISSION RATE	V RATE		ALLO	WABLE BY	ALLOWABLE BY RULE EMISSION RATE	ION RATE	*PERMITTED EMISSION RATE	MISSION RATI
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	3OTHER TERMS	<sup>3</sup> OTHER TERMS	₽ Town	5RATE	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM							( )			a para a constant a co	
MONOXIDE (CO)	TYPICAL							( )				
LEAD	MAXIMUM:							( )				
	TYPICAL							(				
NITROGEN	MAXIMUM							( )				
OXIDES (NOx)	TYPICAL							( )				
PARTICULATE	MAXIMUM							( )				
MATTER (PART)	TYPICAL					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	(				
PARTICULATE MATTER <= 10	MAXIMUM	SEE	BH5-010					6			SEE BH5-010	
MICROMETERS (PM10)	TYPICAL							( )			1000 (1000) 1000 (1000) 1000 (1000)	
SULFUR	MAXIMUM					ai, arrandiad		(				
DIOXIDE (SO2)	TYPICAL:							,				
VOLATILE	MAXIMUM											
MATERIAL (VOM)	TYPICAL		-						والمساورة			
OTHER, SPECIFY:	MAXIMUM							ı Ç				
	TYPICAL							(				
EXAMPLE: PARTICULATE	MAXIMUM	5.00	21.9	GR/DSCF			9.0 (1	6.0 (LBS/HR)	212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL	4.00	44.4	0.24 GR/DSCF		4	5.5 (L	5.5 (LBS/HR)	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.

SPROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRUDSCF, ETC.)

4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE. 3) STANDARD EMISSION FACTOR (NOT AP 42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS)

FRATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

MAME OF HAP   20A6			(38)	I) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION	<b>4IR POLLUTAN</b>	IT EMISSION IN	VFORMATIO	X	
NAME OF HAP   20AS				O 1ACTUA	L EMISSION RA	TE SSION RATE		ALLOWABLE BY RUL	111
TYPPOLE	NAME OF HAP EMITTED	2cas NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	3OTHER TERMS	4 <sub>DM</sub>	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
TYPICH			MAXIMUM						
TYPOLI.   TYPO	programme of		TYPICAL						
TYPICAL   TYPI			MAXIMUIA						
Tripock   Trip		· ·	TYPICAL						
TYPICAL   WASHINGTON			MAXIMUM						
TYPICAL   TYPI			TYPICAL				-		
TYPECAL   WASHINUM   TYPECAL   TYPECAL   WASHINUM   TYPECAL   TYP			MAXIMUN						
TYPICAL			TYPICAL						
TYPICAL   WAXIMUM   TYPICAL   TYPI			MAXIMUM						
TYPICAL   TYPI			TYPICAL						
TYPICAL   WAXIMUM   TYPI			MAXIMUM						
TYPICAL   TYPI			TYPICAL		entre distanció destablichem de universar problem propilitar de un medica de un comprese de un c				
TYPICAL   WAXIMUM   10.0   1.2   98% by int control device   CFR 61   1.2   1.3			MAXIMUM						
EXAMPLE:         MAXIMUM:         10.0         1.2         98% by wt control device         CFR 67           IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED. ON WHICH EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.         67.302(b), (d)           PROVIDE ANY OTHER EMISSION IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.         2           CAS - CHEMICAL ABSTRACT SERVICE NUMBER.         3PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRADSCF, ETC.).           *PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRADSCF, ETC.).           *PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION NOT THAT WAS NEASURED (E.G., PPM, GRADSCF, ETC.).			TYPICAL						
EXAMPLE:   MAXIMUM: 10.0   1.2   98% by wt control device   CFR 61			MAXIMUM	essention intervioro tealu portente de la la facilità de la	akupradispisytingspisytrakasimistische pisytrages es				
EXAMPLE:   T1432   TYPICAL   8.0   0.8     Eak-tight trucks   61.302(b), (d)     ENTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.   PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWINE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.   PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRÜDSCF, ETC.).   PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRÜDSCF, ETC.).   PATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP-42 OR AIRS).   PATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP-42 OR AIRS).   PATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP-42 OR AIRS).			TYPICAL						
Benzene         71432         PFPIGAL         8.0         0.8         67.302(β), (d)           IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED. ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.         67.302(β), (d)           PROVIDE AUCONTROLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.           PEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRADSCF, ETC.).           PASE ATMOSPHEND 13 STACK TEST, 2) MARTERIAL BALANCE, 3) STADMACE, 3) STADMACE, 3) STADMACE, 3) STADMACE, 3) STADMACE, 3) STADMACE, 402 CARRESTOR (APA-2 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT APA-2 OR AIRS).	EXAMPLE		MAXIMUM		7		2	98% by wt control device	CFR 61
IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.  *PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.  *CAS - CHEMICAL ABSTRACT SERVICE NUMBER.  *PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRADSCF, ETC.).  *PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRADSCF, ETC.).  *SPECIAL EMISSION RATE WAS COMMONLY USED, REQUIRED BY A SPECIFIC RAPA 22 OR AIRS).  *SPECIAL EMISSION BATE OF STANDARD SPECIFIC RAPA CAST AND A COMPANY AND A COM	Benzene	71432	TYPICAL	8.0	0.8		2	leak-tight frucks	61.302(b),(d)
*CAS - CHEMICAL ABSTRACT SERVICE NUMBER. *PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRADSCF, ETC.). **PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS). **CHART AND ANY OF A DESCRIPTION OF A SPECIFIC OF STRAIN AND SECRET AND ANY OF STRAIN AND SECRET OF STRAIN AND SECRET AND ANY OF STRAIN AND SECRET OF SEC	1 PROVIDE UNCONTROLLEI	CULATIONS, TO THE D EMISSIONS IF CON	EXTENT THEY AR.	E AIR EMISSIONS REL. IS USED. OTHERWISE	ATED, ON WHICH EM	IISSIONS WERE DETI	ERMINED AND LA	ABEL AS EXHIBIT 220-6. ICLUDING INDOORS, CHECK BOX TO SPECIFY	
4DM - DETERMINATION METHOD 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (NOT AP 42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP 42 OR AIRS), 5 SPACE ALL ON STANDARD SECRET BY SECRET A DELICATE OF STANDARD SECRET AND SECRET ASSOCIATED SECRETARIA SECR	CAS - CHEMICAL ABSTRA SPLEASE PROVIDE ANY OT	ICT SERVICE NUMBER THER EMISSION RATE	R. E WHICH IS COMMO	ONLY USED, REQUIRED	D BY A SPECIFIC LIM	ITATION OR THAT W	AS MEASURED (E	G. PPM, GR/DSCP, ETC.).	
	DM - DETERMINATION ME	THOD: 1) STACK TES	ST, 2) MATERIAL BA	LANCE, 3) STANDARD IV MOST STRINGENT A	EMISSION FACTOR (	AP-42 OR AIRS, 4) EN	IGINEERING EST	IMATE, 5) SPECIAL EMISSION FACTOR (NOT AP	42 OR AIRS).

	EXHAUST POIN	T INFORMATION	
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EX	HAUSTED THROUGH A	AIR POLLUTION CONTROL EQUIPMENT.
39) FLOW DIAGRAM DESIGNATION OF	EXHAUST POINT:		
40) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C	(STACK, VENT. ROC OMPLETE THE REM	F MONITOR, INDOC AINING ITEMS.	PRS, ETC.). IF THE EXHAUST POINT
41) DISTANCE TO NEAREST PLANT BOI	UNDARY FROM EXH	AUST POINT DISCH	ARGE (FT):
42) DISCHARGE HEIGHT ABOVE GRADI	E (FT):		
43) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNO	WN (FT):	
44) DIAMETER OF EXHAUST POINT (FT) 1.128 TIMES THE SQUARE ROOT OF		N CIRCULAR EXHAU	JST POINT, THE DIAMETER IS
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACFI	M);:	b) TYPICAL (ACFM):
46) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):
47) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWN	WARD):	
48) LIST ALL EMISSION UNITS AND COM	TROL DEVICES SEI	RVED BY THIS EXH	AUST POINT:
NAME		FLO	W DIAGRAM DESIGNATION
a).			
b)			itisti in manananananananananananan kananananananan
c)			VI TIEST TO MANAGE
(d)			
<b>e</b> )			
THE FOLLOWING INFORMATION NEED ONLY	RE SUPPLIED IF READI	Y AVAILARI E	
49a) LATITUDE:	The second secon	b) LONGITUDE:	
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION

Revision #: Date: 05 / Page \_ of Source Designation: BH5-010

FOR APPLICANT'S USE

P.U.	BUX 19506
SPRINGFIELD,	ILLINOIS 62794-9506

AIR POLLUTION CONTROL	
<b>EQUIPMENT</b>	
DATA AND INFORMATION	

Ī	FOR AGENCY USE ONLY
	ID NUMBER:
	CONTROL EQUIPMENT #:
	DATE:

THIS FORM MUST BE COMPLETED FOR EACH AIR POLLUTION CONTROL EQUIPMENT. COMPLETE AND PROVIDE THIS FORM IN ADDITION TO THE APPLICABLE ADDENDUM FORM 260-A THROUGH 260-K. A SEPARATE FORM MUST BE COMPLETED FOR EACH MODE OF OPERATION OF AIR POLLUTION CONTROL EQUIPMENT FOR WHICH A PERMIT IS BEING SOUGHT.

SOURCE IN	FORMATION
1) SOURCE NAME:	
Wedron Silica Company	
2) DATE FORM PREPARED: 05/06/10	3) SOURCE ID NO. (IF KNOWN): 099804AAB

GENERAL I	NFORMATION
4) NAME OF AIR POLLUTION CONTROL EQUIPMENT AND/	OR CONTROL SYSTEM:
Wedron II & Loadout Dust Collector	
5) FLOW DIAGRAM DESIGNATION OF CONTROL EQUIPME BH5-010	ENT AND/OR CONTROL SYSTEM:
6) MANUFACTURER OF CONTROL EQUIPMENT (IF KNOW) Donaldson Torit	N):
7) MODEL NUMBER (IF KNOWN): 484FWH10	8) SERIAL NUMBER (IF KNOWN): TBD
DATES OF COMMENCING CONSTRUCTION,     OPERATION AND/OR MOST RECENT MODIFICATION     OF THIS EQUIPMENT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR): 07/10
	b) OPERATION (MONTH/YEAR): 08/10
AN PRICE V DESCRIPE MODIFICATION (IF ADDITION)	c) LATEST MODIFICATION (MONTH/YEAR):

10) BRIEFLY DESCRIBE MODIFICATION (IF APPLICABLE):

Installation of a new baghouse dust collector to replace the existing baghouse dust collector. The emissions increase being proposed under this application is addressed by this form. Existing emissions from current emission units not covered by this application that will also be controlled by the new baghouse dust collector were previously provided in the CAAPP application for the existing baghouse (also identified as BH5-010).

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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	*****
EQUIPMENT:	DESIGNATION OR CODE NUMBER
See Process Flow Diagram for list of units	
<u> </u>	
12) DOES THE CONTROL EQUIPMENT HAVE MORE THAN C	NE MODE OF CPERATION? YES NO
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVE A SEPARATE AIR POLLUTION CONTROL EQUIPMENT F COMPLETED FOR EACH MODE):	
13) IDENTIFY ALL ATTACHMENTS TO THIS FORM RELATED TECHNICAL DRAWINGS):	TO THIS AIR POLLUTION CONTROL EQUIPMENT(E.G.,
NA NA	<u>.</u> .
	**
0000.07446	001/50///5
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPME	SCHEDULE NT WILL NOT BE OPERATING DUE TO SCHEDULED
IN OPERATION:	EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
IN OPERATION:	
IN OPERATION:	
IN OPERATION:	
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE	EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
IN OPERATION: NA	EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:	EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE FEEDING EMISSION UNIT(S) WHEN THE CONTROL
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE   YES  NO
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?	FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE   YES  NO
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE   YES  NO
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE   YES  NO
IN OPERATION:  NA  15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE EQUIPMENT IS/ARE NOT USED:  NA  b) IS THIS CONTROL EQUIPMENT IN OPERATION AT ALL FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION?  IF NO, EXPLAIN AND PROVIDE THE DURATION OF THE	FEEDING EMISSION UNIT(S) WHEN THE CONTROL  OTHER TIMES THAT THE   YES  NO

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	COMPLIAN	CE INFORMATION		
21) IS THE CONTROL SYS REQUIREMENTS?	STEM IN COMPLIANCE WITH A	LL APPLIGABLE		O NO
	4-CAAPP "COMPLIANCE PLAN N UNITS" MUST BE COMPLET			
22) EXPLANATION OF HO	W INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY	, DEMONSTRATED	
PM/PM10 emissions	are calculated based upor	n the following methodo	logy.	
PM/PM10 = sand thro	oughput x emission factor	x (1 - Control Efficiency	*)	
	utilized depends on the SC ent. The control efficiency		•	included on
23) EXPLANATION OF HO	W ONGOING COMPLIANCE W	ILL BE DEMONSTRATED:	ommena a i irim aa aan aan in	ima : :
Ongoing compliance compliance shall also			gi aran a daga ana Baran Ang	*
	include periodic inspectio		gi aran a daga ana Baran Ang	-
			gi aran a daga ana Baran Ang	_
compliance shall also	o include periodic inspectio	on and maintenance of	he equipment.	
compliance shall also  TES  24a) LIST THE PARAMETE DETERMINE FEES, R		on and maintenance of the state	REPORTING DRDS ARE BEING M	ENT, THE
compliance shall also  TES  24a) LIST THE PARAMETE DETERMINE FEES, R	o include periodic inspections in the periodic inspection in the periodic inspection in the periodic inspection in the periodic inspection in the periodic inspection in the pe	on and maintenance of the state	REPORTING DRDS ARE BEING M NIT OF MEASUREMI G., HOURLY, DAILY	ENT, THE
TES  24a) LIST THE PARAMETE DETERMINE FEES, R METHOD OF MEASUR	STING, MONITORING, RE ERS THAT RELATE TO AIR EM ULE APPLICABILITY OR COMI REMENT, AND THE FREQUEN	ECORDKEEPING AND ISSIONS FOR WHICH RECORDS (E	REPORTING DRDS ARE BEING M NIT OF MEASUREMI G., HOURLY, DAILY	ENT, THE , WEEKLY):
TES  24a) LIST THE PARAMETE DETERMINE FEES, R METHOD OF MEASUF	STING, MONITORING, REERS THAT RELATE TO AIR EMILULE APPLICABILITY OR COMIREMENT, AND THE FREQUEN	ECORDKEEPING AND ISSIONS FOR WHICH RECO PLIANCE. INCLUDE THE UI ICY OF SUCH RECORDS (E	REPORTING DRDS ARE BEING M NIT OF MEASUREMI G., HOURLY, DAILY	ENT, THE , WEEKLY):
TES  24a) LIST THE PARAMETE DETERMINE FEES, R METHOD OF MEASUF PARAMETER Pressure drop	STING, MONITORING, REES THAT RELATE TO AIR EMULE APPLICABILITY OR COMPREMENT, AND THE FREQUEN	ECORDKEEPING AND ISSIONS FOR WHICH RECORDS (EDUCY OF SUCH RECORDS (EDUCY OF MEASUREM MATHOD OF MEASUREM MATH	REPORTING  ORDS ARE BEING M NIT OF MEASUREMI OG., HOURLY, DAILY MENT FRE  daily  daily	ENT, THE , WEEKLY):
TES  24a) LIST THE PARAMETER DETERMINE FEES, R METHOD OF MEASUR  PARAMETER Pressure drop air flow rate	STING, MONITORING, RESTRACT THAT RELATE TO AIR EMULE APPLICABILITY OR COMMENTATION OF MEASUREMENT PSICEMENT	ECORDKEEPING AND ISSIONS FOR WHICH RECORDS (ECORDS (ECORDS OF MEASUREM manual reading manual reading	REPORTING DRDS ARE BEING MIT OF MEASUREMI. G., HOURLY, DAILY MENT FRE daily daily monthly	ENT, THE , WEEKLY): EQUENCY

RECORDED PARAME	TER INCLUDE THE METHO	ECORDS WILL BE CREATED AND M D OF RECORDKEEPING, TITLE OF CONTACT FOR REVIEW OF RECORD	PERSON RESPONSIBLE FOR					
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON					
Pressure drop	manual reading	Environmental Goord.	Plant Manager					
Air flow rate	manual reading	Environmental Coord.	Plant Manager					
sand thruput	Automated systm	Environmental Coord.	Plant Manager					
PM Emissions	Automated systm	Environmental Coord.	Plant Manager					
PM10 Emissions	Automated systm	Environmental Coord.	Plant Manager					
e) IS COMPLIANCE OF THE CONTROL EQUIPMENT READILY DEMONSTRATED BY REVIEW OF THE RECORDS?  IF NO, EXPLAIN:								
d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND/OR YES NO SUBMITTAL TO THE AGENCY UPON REQUEST?  IF NO, EXPLAIN:								
25a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:  A continuous monitoring system is installed, maintained and operated for monitoring bag house pressure loss and air flow rate.								
b) WHAT OPERATING PAR	AMETER(S) IS(ARE) BEING	MONITORED (E.G., COMBUSTION	CHAMBER TEMPERATURE)?					
Pressure loss and air flow rate								
A) DESCRIBE THE LOCAT	ION OF EACH MONITOR (E	.G., EXIT OF COMBUSTION CHAMB	ER) <sup>1</sup>					
	A CHANGE TO THE PARTY OF THE PA	n mar v mar ne et mar et en mar et et en et en et et en et en et et en et et Et en et et en en et en en et en en et en	ला: <b>भ</b> र्					
At baghouse								

25d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	⊗ <sub>YES</sub>	O NO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:		
		:
e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?	YES	U NO
IF NO, EXPLAIN:		
		-
f) IS EACH MONITOR OPERATED AT ALL TIMES THE CONTROL EQUIPMENT IS IN OPERATION?	YES	О по
IF NO. EXPLAIN:		
		-
26) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RESU PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIANCE		
DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXISTING SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS		TEST AND A
OPERATING		
TEST DATE TEST METHOD TESTING COMPANY CONDITIONS	SUMMARY OF	RESULTS
27) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUE	NCY OF REPOR	T .
SUBMITTALS TO THE AGENCY:		
REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	<u> </u>
Notification of Deviation Excess emissions,monitrng, As Rec	quirea	
equip downtime, and misc.		
Annual Emissions Report Illinois AER Annua		ļ. ļ
	<del></del>	
CAPTURE AND CONTROL		
28) DESCRIBE THE CAPTURE SYSTEM USED TO CONTAIN, COLLECT AND TRANSPORT E CONTROL EQUIPMENT. INCLUDE ALL HOODS, DUCTS, FANS, ETC. ALSO INCLUDE T		
USED AT EACH EMISSION POINT. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND L Ductwork and blower		
Ductwork and blower		

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	ARE FEATURES OF THE CAP DIAGRAM CONTAINED IN THE			DEPICTED	IN THE FLOW	X YES	О по
	IF NO, A SKETCH SHOWING T ATTACHED AND LABELED AS			TURE SYSTE	EM SHOULD BE		
	PROVIDE THE ACTUAL (MINIM DESTRUCTION/REMOVAL EFF COMBINATION OF THE CAPTU TO BE CONTROLLED. ATTAC WHICH THESE EFFICIENCIES	FICIENCY, AN JRE SYSTEM H THE CALCU	D THE OVERAL AND CONTROI JLATIONS, TO	L REDUCTION EQUIPMENT HE EXTENT	ON EFFICIENCY IT FOR EACH RE THEY ARE AIR	PROVIDED B' GULATED AIF	Y THE R POLLUTANT
a)	CONTROL PERFORMANCE:						
	REGULATED AIR		RE SYSTEM IENCY (%)		L EQUIPMENT CIENCY (%)		REDUCTION ENCY (%)
2.	POLLUTANT	(MIN)	(TYP)	(MIN)	(TYP)	(MIN)	(TYP)
£.	PM/PM10	100.0	100.0	99.0	99.0	99.0	99.0
Ü							
üi							
ív.	EXPLAIN ANY OTHER REQUIR	RED LIMITS ON	CONTROL EQUIP	MENT PERFO	RMANCE SUCH AS	OUTLET CONC	ENTRATION,
	COOLANT TEMPERATURE, ETC	*					
b)	METHOD USED TO DETERMI MANUFACTURER'S GUARAN						L BALANCE,
	Section 1.1 American Processing Section 1.1 Section 1.		er vitalistic i i i i i i i i i i i i i i i i i i	E. T. Section C. F. Sec			ATE LAST
Γ	CAPTURE		RMINATION METH	OD		7 [	ESTED 1
	Engineering Esti			·		NA NA	:
	Based upon Con		*: *		UP O LOCAL DE LA COLONIA DE LA	_ NA	
L	Calculated bases	d upon estin	nated capture	and contr	ol efficiencies	NA_	
			de				-
C)	REQUIRED PERFORMANCE:						
	REGULATED AIR E	CAPTURE SYSTEM FFIGIENCY (%)	CONTR EQUIPMI EPFIGIENC	INT I	OVERALL REDUCTION EFFICIENCY (%)	APPLICA	BLE RULE
ķ.					1		
ű:							
iti			-				
			J. L.			L	
iv	EXPLAIN ANY OTHER REQUIR COOLANT TEMPERATURE, ETC		CONTROL EQUIP	MENT PERFOR	RMANCE SUCH AS	OUTLET CONG	ENTRATION,

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					(31)E	MISSION	(31)EMISSION INFORMATION					
			1ACTUAL	1ACTUAL EMISSION RATE	RATE		ALLOWABLE BY RULE EMISSION RATE	LE BY RUL	E EMISSIC	IN RATE	<sup>2</sup> PERMITTED EMISSION RATE	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	3OTHER TERMS	<sup>3</sup> OTHER TERMS	₽ <sub>0</sub> O <sub>2</sub>	5RATE (UNI	(UNITS) APP	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM											
MONOXIDE (CO)	TYPICAL						<u> </u>	^				
LEAD	MAXIMUM.											
	TYPICAL:					·	÷	- Val				
NITROGEN	MAXIMUM											
OXIDES (NOx)	TYPICAL:							,				
PARTICULATE	MAXIMUM	0,55	2.39			n	SEE ( PM	( PM10 )		-	0.55 lb/hr	2.39
MATTER (PART)	TYPICAL	0.55	1.09			'co						
PARTICULATE MATTER <= 10	MAXIMUM	0.17	0.74			Ф.	463.9 ( lbs/hr )	212.32 s/hr )	2.1	2032.0	0.17 lbs/hr	0.74
MICROMETERS (PM10)	TYPICAL:	0.17	0.34			e e					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
SULFUR	MAXIMLIM							<u> </u>				
DIOXIDE (SO2)	TYPICAL						)					
VOLATILE ORGANIC	MAXIMUM							-				
MATERIAL (VOM)	TYPICAL:											
OTHER, SPECIFY:	MAXIMUM							<u> </u>				
	TYPIGAL							,			21. 21.	
EXAMPLE: PARTICULATE	MAXIMITAM	2.00	21.9	0,3 GR/DSCF			6.0 (LBSAHR)		212.321	26.28	5.5 LBS/HR	22
MATTER	TYPICAL:	4.00	14.4	0.24 GR/DSCF		Y	5.5 (LBS/HR)		212.321	19,80	15. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-5.

PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).

PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PROVIDE BY COTHER EMISSION RATE WHOLH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GRDSCF, ETC.)

PARATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

SRATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

HAP INFORMATION  NAME OF HAP  EMITTED  NUN		The second of th		and the second s				
NAME OF HAP EMITTED.			ACTUAL E	<sup>1</sup> ACTUAL EMISSION RATE			ALLOWABLE BY RULE	222
¥	2cas NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	MG <sup>4</sup>	<sup>5</sup> RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM						
		TYPICAL						
		MAXIMUM						
		TYPICAL						
		MAXIMUM						
		TYPICAL						
		MAXIMUBA:						
		TYPICAL						
	T	MAXIMUM						
	- en Henre	TYPICAL						
		MAXIMUM						
		TYPICAL		e de la companya de l				
		MAXIMUM						
		TYPICAL						
		MAXIMUM						
		TYPICAL						
EXAMPLE		MAXIMUM	10.0	8,		[a	98% by wt control device	CFR 67
Benzene 71	71432	TYPICAL	0.00	80		N	leak-tight trucks	61.302(b),(d)

PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).

2CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

5PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GRUDSCF, ETC.).

5M - DETERMINATION METHOD: 1) STACK TEST. 3) MATERIAL BALANCE. 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

5RATE - ALLOWABLE EMISSION RATE OR STANDARD, SPECIFIED BY MOST STRINGENT APPLICABLE. RULE.

	EXHAUST POINT INFOR	
33) DESCRIPTION OF EXHAUST POINT DISCHARGES INDOORS, DO NOT C		OR, INDOORS, ETC.). IF THE EXHAUST POINT EMS.
Stack (ES5-010)		
34) DISTANCE TO NEAREST PLANT BO		
	Approximately 15	0 FT
35) DISCHARGE HEIGHT ABOVE GRADI	E (FT): TBD	
36) GOOD ENGINEERING PRACTICE (G		
00/00/00/00/00/00/00/00/00/00/00/00/00/		
37) DIAMETER OF EXHAUST POINT (FT 1.128 TIMES THE SQUARE ROOT OF		AR EXHAUST POINT, THE DIAMETER IS
38) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM):	b) TYPICAL (ACFM):
	40000	UNKNOWN
39) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):	b) TYPICAL (°F)
	AMBIENT + 5	AMBIENT
40) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWNWARD):	VERTICAL
41) LIST ALL EMISSION UNITS AND COM	TROL DEVICES SERVED BY	THIS EXHAUST POINT:
NAME		FLOW DIAGRAM DESIGNATION
a) See Process Flow Diagram for	complete list	
(b)		
c)		
<u>d</u> )		
e)		
0		
9)		
42) WHAT PERCENTAGE OF THE CONT	ROL EQUIPMENT EMISSIONS	ARE BEING DUCTED TO THIS
EXHAUST POINT (%)?	100	
43) IF THE PERCENTAGE OF THE CON	TROL EQUIPMENT EMISSIONS	BEING DUCTED TO THE EXHAUST POINT IS
NOT 100%, THEN EXPLAIN WHERE	THE REMAINING EMISSIONS	ARE BEING EXHAUSTED TO:
	talania kananda kanand 	
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READILY AVAILA	
44a) LATITUDE:	D) LONG	H QUE;
45) UTM ZONE	b) UTM VERTICAL (KM):	c) UTM HORIZONTAL (KM):
	Viananta and Amerika	A CONTRACTOR OF THE STATE OF TH

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## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

-	FO	R APPLICANT'S USE	
	Revisio	n#:	www.
-	Date:	<u>05</u> / <u>06</u> / <u>10</u>	annes:
	Page _	of	
	Source	Designation:	
		BH5-010	mu.

SUPPLEMENTAL FORM						
AIR POLLUTION CONTROL						
EQUIPMENT						
FILTER (260C)						

	FOR AGENCY USE ONLY ID NUMBER:
-	CONTROL EQUIPMENT #
1	
1	DATE

	DATA AND	INFORMAT	TON	
1) FLOW DIAGRAM DESIGNATION		iiti OisiiiAi	1011	
** *** *** *** *** *** *** *** *** ***	BH5-010			
2) FILTER CONFIGURATION (CHECK ONE):	OPEN PRESSURE OTHER, SPECIFY:	O CLO	SED PRESSURE	CLOSED SUCTION
3) DESCRIBE FILTER MATERIAL		<del>*************************************</del>		
10.5 oz. Dura-Life Polyes	er			
4) FILTERING AREA (SQUARE FEET): 595				
6) CLEANING METHOD	SHAKER OREV	'ERSE AIR	× PULSE AIR	O PULSE JET
7) NORMAL RANGE OF PRESSURE DROP: 1				
8a) INLET EMISSION STREAM P	ARAMETERS:	***************************************	-to-order process delication by the state of the second second	
			MAX	TYPICAL
MOISTURE CONTENT (% I	BY VOLUME):		0.5	0.1
PARTICULATE INLET LOA		15.0	unknown	
b) MEAN PARTICLE DIAMETER	R (MICRONS):		dentagen reconstruction and the second of the second and the second and the second and the second and the second	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE

A FUTER AREATINA STRAILETER			
9) FILTER OPERATING PARAMETER	<b>.</b>	DURING MAXIMUM OPERATION OF FEEDING UNIT(S)	DURING TYPICAL OPERATION OF FEEDING UNIT(S)
INLET FLOW RATE (SCFM):		40000	40000
INLET GAS TEMPERATURE (DEC FAHRENHEIT).	REES	70	70
EFFICIENCY (PM REDUCTION):		(%)	(%)
EFFICIENCY (PM10 REDUCTION):		99 (%)	(%)
		99	99
10) HOW IS FILTER MONITORED FOR INDICATIONS OF DETERIORATION (E.G., BROKEN BAGS)?	CONTINUOUS OPACITY R	PRESSURE DROP	ALARMS-AUDIBLE TO PROCESS OPERATOR
	OTHER, SPECIFY:		
11) DESCRIBE ANY RECORDING DE	VICE AND FREQUENCY O	F LOG ENTRIES.	
Magnahelic pressure drop mor basis.  12) DESCRIBE ANY FILTER SEEDING		t the bag house and wi	ll be read on a weekly
r			
			-

APPLICATION PAGE \_\_\_\_

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